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  - 1.263.1 Available under license
- 1.264 nodejs-sha 1.2.1 :1.e17**
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- 1.265 nodejs-sigmund 1.0.0 :5.e17**
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- 1.266 nodejs-slide 1.1.5 :1.e17**
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- 1.267 nodejs-sntp 0.2.4 :1.e17**
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- 1.268 nodejs-tar 0.1.18 :1.e17**
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- 1.269 nodejs-tunnel-agent 0.3.0 :1.e17**
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- 1.270 nodejs-uid-number 0.0.3 :7.e17**
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- 1.271 nodejs-which 1.0.5 :8.e17**
  - 1.271.1 Available under license
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- 1.277 normalize-package-data 1.0.3**
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- 1.278 npm 1.3.6 :5.e17**
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### **1.280 npm-test-single-file 1.2.3**

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### **1.281 npm\_ASLv2.0 1.3.6**

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### **1.282 npmlog 1.2.1**

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### **1.284 nss-softokn - mpi 3.15.4 :2.el7**

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### **1.285 oauth-sign 0.8.0**

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### **1.286 on-finished 2.3.0**

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### **1.287 on-finished 2.2.1**

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### **1.288 once 1.3.2**

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### **1.289 oniguruma 5.9.5 :3.el7**

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### **1.290 os-homedir 1.0.1**

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### **1.291 os-tmpdir 1.0.1**

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### **1.292 osenv 0.1.3**

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### **1.293 parseurl 1.3.0**

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### **1.297 pause-stream 0.0.11**

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- 1.299 python-lxml\_GPLv2 3.2.1 :4.e17**
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### **1.333 sntp 1.0.9**

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**1.343 statuses 1.2.1**  
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### **1.361 utils-merge 1.0.0**

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### **1.363 validate-npm-package-license 3.0.1**

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### **1.364 validate-npm-package-name 2.2.2**

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### **1.366 wrappy 1.0.1**

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### **1.367 xtend 4.0.0**

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### **1.368 zlib/contrib-ada 1.2.7 :13.e17**

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### **1.369 zlib/DotZLib 1.2.7 :13.e17**

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### **1.370 zookeeper 3.4.6 :1**

1.370.1 Available under license

### **1.371 zookeeper\_CDDLv1.0 3.4.6 :1**

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### **1.372 zookeeper\_EPLv1.0 3.4.6 :1**

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### **1.373 zookeeper\_LGPLv2.1 3.4.6 :1**

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## **1.1 abbrev 1.0.7**

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## 1.3 acl/LGPLv2.1 2.2.51 :12.e17

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Version 2.1, February 1999

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# 1.5 amqplib 0.4.0

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## 1.6 ansi 0.3.0

### 1.6.1 Available under license :

```
ansi.js
```

```
=====
```

```
### Advanced ANSI formatting tool for Node.js
```

`ansi.js` is a module for Node.js that provides an easy-to-use API for writing ANSI escape codes to `Stream` instances. ANSI escape codes are used to do fancy things in a terminal window, like render text in colors, delete characters, lines, the entire window, or hide and show the cursor, and lots more!

```
#### Features:
```

- \* 256 color support for the terminal!
- \* Make a beep sound from your terminal!
- \* Works with \*any\* writable `Stream` instance.
- \* Allows you to move the cursor anywhere on the terminal window.
- \* Allows you to delete existing contents from the terminal window.
- \* Allows you to hide and show the cursor.
- \* Converts CSS color codes and RGB values into ANSI escape codes.
- \* Low-level; you are in control of when escape codes are used, it's not abstracted.

```
Installation
```

```
-----
```

```
Install with `npm`:
```

```
``` bash
```

```
$ npm install ansi
```



```

## Example

-----

```
``` js
var ansi = require('ansi')
  , cursor = ansi(process.stdout)

// You can chain your calls forever:
cursor
  .red()          // Set font color to red
  .bg.grey()      // Set background color to grey
  .write('Hello World!') // Write 'Hello World!' to stdout
  .bg.reset()     // Reset the bgcolor before writing the trailing \n,
                  // to avoid Terminal glitches
  .write('\n')    // And a final \n to wrap things up

// Rendering modes are persistent:
cursor.hex('#660000').bold().underline()

// You can use the regular logging functions, text will be green:
console.log('This is blood red, bold text')

// To reset just the foreground color:
cursor.fg.reset()

console.log('This will still be bold')

// to go to a location (x,y) on the console
// note: 1-indexed, not 0-indexed:
cursor.goto(10, 5).write('Five down, ten over')

// to clear the current line:
cursor.horizontalAbsolute(0).eraseLine().write('Starting again')

// to go to a different column on the current line:
cursor.horizontalAbsolute(5).write('column five')

// Clean up after yourself!
cursor.reset()
```
```

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-----

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## 1.7 ansi-regex 2.0.0

### 1.7.1 Available under license :

```
# ansi-regex [![Build Status](https://travis-ci.org/sindresorhus/ansi-regex.svg?branch=master)](https://travis-ci.org/sindresorhus/ansi-regex)
```

```
> Regular expression for matching [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)
```

```
## Install
```

```
...
```

```
$ npm install --save ansi-regex
```

```
...
```

```
## Usage
```

```
```js
```

```
var ansiRegex = require('ansi-regex');
```

```
ansiRegex().test('\u001b[4mcake\u001b[0m');
```

```
//=> true
```

```
ansiRegex().test('cake');
//=> false

'\u001b[4mcake\u001b[0m'.match(ansiRegex());
//=> ['\u001b[4m', '\u001b[0m']
...

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```

## 1.8 ansi-regex 1.1.1

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```

> Regular expression for matching [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI\_escape\_code)

```
## Install
```

```
```sh
$ npm install --save ansi-regex
```
```

```
## Usage
```

```
```js
var ansiRegex = require('ansi-regex');

ansiRegex().test('\u001b[4mcake\u001b[0m');
//=> true

ansiRegex().test('cake');
//=> false

'\u001b[4mcake\u001b[0m'.match(ansiRegex());
//=> ['\u001b[4m', '\u001b[0m']
```
```

\*It's a function so you can create multiple instances. Regexes with the global flag will have the `.lastIndex`` property changed for each call to methods on the instance. Therefore reusing the instance with multiple calls will not work as expected for `.test().*`

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# 1.9 ansi-styles 2.1.0

## 1.9.1 Available under license :

# ansi-styles [![Build Status](https://travis-ci.org/chalk/ansi-styles.svg?branch=master)](https://travis-ci.org/chalk/ansi-styles)

> [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI\_escape\_code#Colors\_and\_Styles) for styling strings in the terminal

You probably want the higher-level [chalk](https://github.com/chalk/chalk) module for styling your strings.



## Install

---

```
$ npm install --save ansi-styles
```

---

## Usage

```
```js
```

```
var ansi = require('ansi-styles');
```

```
console.log(ansi.green.open + 'Hello world!' + ansi.green.close);
```

```
```
```

## API

Each style has an `open`` and `close`` property.

## Styles

### Modifiers

- `reset``

- `bold``

- `dim``

- ``italic`` \*(not widely supported)\*
- ``underline``
- ``inverse``
- ``hidden``
- ``strikethrough`` \*(not widely supported)\*

### ### Colors

- ``black``
- ``red``
- ``green``
- ``yellow``
- ``blue``
- ``magenta``
- ``cyan``
- ``white``
- ``gray``

### ### Background colors

- ``bgBlack``
- ``bgRed``
- ``bgGreen``
- ``bgYellow``
- ``bgBlue``
- ``bgMagenta``
- ``bgCyan``
- ``bgWhite``

### ## Advanced usage

By default you get a map of styles, but the styles are also available as groups. They are non-enumerable so they don't show up unless you access them explicitly. This makes it easier to expose only a subset in a higher-level module.

- ``ansi.modifiers``
- ``ansi.colors``
- ``ansi.bgColors``

### ##### Example

```
```js
console.log(ansi.colors.green.open);
```
```

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## 1.10 are-we-there-yet 1.0.4

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```
{
  "name": "are-we-there-yet",
  "version": "1.0.4",
  "description": "Keep track of the overall completion of many dispirate processes",
  "main": "index.js",
  "scripts": {
    "test": "tap test/*.js"
  },
  "repository": {
    "type": "git",
    "url": "https://github.com/iarna/are-we-there-yet.git"
  },
  "author": "Rebecca Turner (http://re-becca.org)",
  "license": "ISC",
  "bugs": {
    "url": "https://github.com/iarna/are-we-there-yet/issues"
  },
  "homepage": "https://github.com/iarna/are-we-there-yet",
  "devDependencies": {
    "tap": "^0.4.13"
  },
  "dependencies": {
    "delegates": "^0.1.0",
    "readable-stream": "^1.1.13"
  }
}
```

## 1.11 argparse 1.0.2

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## 1.12 asap 2.0.3

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# ASAP

[![Build Status](https://travis-ci.org/kriskowal/asap.png?branch=master)](https://travis-ci.org/kriskowal/asap)

Promise and asynchronous observer libraries, as well as hand-rolled callback programs and libraries, often need a mechanism to postpone the execution of a callback until the next available event.

(See [Designing APIs for Asynchrony][Zalgo].)

The `asap`` function executes a task *as soon as possible* but not before it returns, waiting only for the completion of the current event and previously scheduled tasks.

```
```javascript
asap(function () {
  // ...
});
```
```

[Zalgo]: <http://blog.izs.me/post/59142742143/designing-apis-for-asynchrony>

This CommonJS package provides an `asap`` module that exports a function that executes a task function *as soon as possible*.

ASAP strives to schedule events to occur before yielding for IO, reflow, or redrawing.

Each event receives an independent stack, with only platform code in parent frames and the events run in the order they are scheduled.

ASAP provides a fast event queue that will execute tasks until it is empty before yielding to the JavaScript engine's underlying event-loop.

When a task gets added to a previously empty event queue, ASAP schedules a flush

event, preferring for that event to occur before the JavaScript engine has an opportunity to perform IO tasks or rendering, thus making the first task and subsequent tasks semantically indistinguishable.

ASAP uses a variety of techniques to preserve this invariant on different versions of browsers and Node.js.

By design, ASAP prevents input events from being handled until the task queue is empty.

If the process is busy enough, this may cause incoming connection requests to be dropped, and may cause existing connections to inform the sender to reduce the transmission rate or stall.

ASAP allows this on the theory that, if there is enough work to do, there is no sense in looking for trouble.

As a consequence, ASAP can interfere with smooth animation.

If your task should be tied to the rendering loop, consider using `requestAnimationFrame` instead.

A long sequence of tasks can also effect the long running script dialog.

If this is a problem, you may be able to use ASAP's cousin `setImmediate` to break long processes into shorter intervals and periodically allow the browser to breathe.

`setImmediate` will yield for IO, reflow, and repaint events.

It also returns a handler and can be canceled.

For a `setImmediate` shim, consider `[YuzuJS setImmediate][setImmediate]`.

`[setImmediate]`: <https://github.com/YuzuJS/setImmediate>

Take care.

ASAP can sustain infinite recursive calls without warning.

It will not halt from a stack overflow, and it will not consume unbounded memory.

This is behaviorally equivalent to an infinite loop.

Just as with infinite loops, you can monitor a Node.js process for this behavior with a heart-beat signal.

As with infinite loops, a very small amount of caution goes a long way to avoiding problems.

```
````javascript
function loop() {
  asap(loop);
}
loop();
````
```

In browsers, if a task throws an exception, it will not interrupt the flushing of high-priority tasks.

The exception will be postponed to a later, low-priority event to avoid slow-downs.

In Node.js, if a task throws an exception, ASAP will resume flushing only if



only after the error is handled by `domain.on("error")` or `process.on("uncaughtException")`.

## ## Raw ASAP

Checking for exceptions comes at a cost.

The package also provides an `asap/raw` module that exports the underlying implementation which is faster but stalls if a task throws an exception.

This internal version of the ASAP function does not check for errors.

If a task does throw an error, it will stall the event queue unless you manually call `rawAsap.requestFlush()` before throwing the error, or any time after.

In Node.js, `asap/raw` also runs all tasks outside any domain.

If you need a task to be bound to your domain, you will have to do it manually.

```
```js
if (process.domain) {
  task = process.domain.bind(task);
}
rawAsap(task);
```
```

## ## Tasks

A task may be any object that implements `call()`.

A function will suffice, but closures tend not to be reusable and can cause garbage collector churn.

Both `asap` and `rawAsap` accept task objects to give you the option of recycling task objects or using higher callable object abstractions.

See the `asap` source for an illustration.

## ## Compatibility

ASAP is tested on Node.js v0.10 and in a broad spectrum of web browsers.

The following charts capture the browser test results for the most recent release.

The first chart shows test results for ASAP running in the main window context.

The second chart shows test results for ASAP running in a web worker context.

Test results are inconclusive (grey) on browsers that do not support web workers.

These data are captured automatically by [Continuous Integration][].

[Continuous Integration]: <https://github.com/krisKowal/asap/blob/master/CONTRIBUTING.md>

![Browser Compatibility](http://krisKowal-asap.s3-website-us-west-2.amazonaws.com/train/integration-2/saucelabs-results-matrix.svg)

![Compatibility in Web Workers](http://kriskowal-asap.s3-website-us-west-2.amazonaws.com/train/integration-2/saucelabs-worker-results-matrix.svg)

## ## Caveats

When a task is added to an empty event queue, it is not always possible to guarantee that the task queue will begin flushing immediately after the current event.

However, once the task queue begins flushing, it will not yield until the queue is empty, even if the queue grows while executing tasks.

The following browsers allow the use of [DOM mutation observers][] to access the HTML [microtask queue][], and thus begin flushing ASAP's task queue immediately at the end of the current event loop turn, before any rendering or IO:

[microtask queue]: <http://www.whatwg.org/specs/web-apps/current-work/multipage/webappapis.html#microtask-queue>

[DOM mutation observers]: <http://dom.spec.whatwg.org/#mutation-observers>

- Android 4.3
- Chrome 26.34
- Firefox 14.29
- Internet Explorer 11
- iPad Safari 6.7.1
- iPhone Safari 7.1
- Safari 6.7

In the absence of mutation observers, there are a few browsers, and situations like web workers in some of the above browsers, where [message channels][] would be a useful way to avoid falling back to timers.

Message channels give direct access to the HTML [task queue][], so the ASAP task queue would flush after any already queued rendering and IO tasks, but without having the minimum delay imposed by timers.

However, among these browsers, Internet Explorer 10 and Safari do not reliably dispatch messages, so they are not worth the trouble to implement.

[message channels]: <http://www.whatwg.org/specs/web-apps/current-work/multipage/web-messaging.html#message-channels>

[task queue]: <http://www.whatwg.org/specs/web-apps/current-work/multipage/webappapis.html#concept-task>

- Internet Explorer 10
- Safari 5.0-1
- Opera 11-12

In the absence of mutation observers, these browsers and the following browsers all fall back to using `setTimeout` and `setInterval` to ensure that a `flush`

occurs.

The implementation uses both and cancels whatever handler loses the race, since `setTimeout` tends to occasionally skip tasks in unisolated circumstances.`  
Timers generally delay the flushing of ASAP's task queue for four milliseconds.

- Firefox 3.5
- Internet Explorer 6.0
- iPad Safari 4.3
- Lynx 2.8.7

## ## Heritage

ASAP has been factored out of the [Q] asynchronous promise library. It originally had a naive implementation in terms of `setTimeout` , but [Malte Ubl][NonBlocking] provided an insight that postMessage` might be useful for creating a high-priority, no-delay event dispatch hack. Since then, Internet Explorer proposed and implemented setImmediate` . Robert KatiÄ began contributing to Q by measuring the performance of the internal implementation of asap` , paying particular attention to error recovery.`

Domenic, Robert, and Kris Kowal collectively settled on the current strategy of unrolling the high-priority event queue internally regardless of what strategy we used to dispatch the potentially lower-priority flush event.

Domenic went on to make ASAP cooperate with Node.js domains.

[Q]: <https://github.com/krisKowal/q>

[NonBlocking]: <http://www.nonblocking.io/2011/06/windownexttick.html>

For further reading, Nicholas Zakas provided a thorough article on [The Case for setImmediate][NCZ].

[NCZ]: <http://www.nczonline.net/blog/2013/07/09/the-case-for-setimmediate/>

Ember's RSVP promise implementation later [adopted][RSVP ASAP] the name ASAP but further developed the implementation.

Particularly, The `MessagePort` implementation was abandoned due to interaction [problems with Mobile Internet Explorer][IE Problems] in favor of an implementation backed on the newer and more reliable DOM MutationObserver` interface.`

These changes were back-ported into this library.

[IE Problems]: <https://github.com/cujojs/when/issues/197>

[RSVP ASAP]:

<https://github.com/tildeio/rsvp.js/blob/cddf7232546a9cf858524b75cde6f9edf72620a7/lib/rsvp/asap.js>

In addition, ASAP factored into `asap` and asap/raw` , such that asap` remained exception-safe, but asap/raw` provided a tight kernel that could be used for`

tasks that guaranteed that they would not throw exceptions.

This core is useful for promise implementations that capture thrown errors in rejected promises and do not need a second safety net.

At the same time, the exception handling in `asap` was factored into separate implementations for Node.js and browsers, using the the [Browserify][Browser Config] `browser` property in `package.json` to instruct browser module loaders and bundlers, including [Browserify][], [Mr][], and [Mop][], to use the browser-only implementation.

[Browser Config]: <https://gist.github.com/defunctzombie/4339901>

[Browserify]: <https://github.com/substack/node-browserify>

[Mr]: <https://github.com/montagejs/mr>

[Mop]: <https://github.com/montagejs/mop>

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## 1.13 asn1 0.1.11

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## 1.14 assert-plus 0.1.5

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## 1.15 async 0.9.2

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# 1.16 async 0.2.10

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# 1.17 async 1.4.2

## 1.17.1 Available under license :

```
{
  "name": "async",
  "description": "Higher-order functions and common patterns for asynchronous code",
  "main": "lib/async.js",
  "files": [
    "lib"
  ],
  "author": "Caolan McMahon",
  "version": "1.4.2",
  "keywords": [
    "async",
    "callback",
    "utility",
    "module"
  ],
  "repository": {
    "type": "git",
    "url": "https://github.com/caolan/async.git"
  },
  "bugs": {
```

```

"url": "https://github.com/caolan/async/issues"
},
"license": "MIT",
"devDependencies": {
  "benchmark": "bestiejs/benchmark.js",
  "bluebird": "^2.9.32",
  "chai": ^3.1.0,
  "coveralls": ^2.11.2,
  "es6-promise": ^2.3.0,
  "jscs": ^1.13.1,
  "jshint": ~2.8.0,
  "karma": ^0.13.2,
  "karma-browserify": ^4.2.1,
  "karma-firefox-launcher": ^0.1.6,
  "karma-mocha": ^0.2.0,
  "karma-mocha-reporter": ^1.0.2,
  "lodash": ^3.9.0,
  "mkdirp": ~0.5.1,
  "mocha": ^2.2.5,
  "native-promise-only": ^0.8.0-a,
  "nodeunit": >0.0.0,
  "nyc": ^2.1.0,
  "rsvp": ^3.0.18,
  "uglify-js": ~2.4.0,
  "xyz": ^0.5.0,
  "yargs": ~3.9.1
},
"jam": {
  "main": "lib/async.js",
  "include": [
    "lib/async.js",
    "README.md",
    "LICENSE"
  ],
  "categories": [
    "Utilities"
  ]
},
"scripts": {
  "mocha-node-test": "mocha mocha_test/",
  "mocha-browser-test": "karma start",
  "mocha-test": "npm run mocha-node-test && npm run mocha-browser-test",
  "nodeunit-test": "nodeunit test/test-async.js",
  "test": "npm run-script lint && npm run nodeunit-test && npm run mocha-test",
  "lint": "jshint lib/*.js test/*.js perf/*.js && jscs lib/*.js test/*.js perf/*.js",
  "coverage": "nyc npm test && nyc report",
  "coveralls": "nyc npm test && nyc report --reporter=text-lcov | coveralls"
},

```

```

"spm": {
  "main": "lib/async.js"
},
"volo": {
  "main": "lib/async.js",
  "ignore": [
    "**/*.*",
    "node_modules",
    "bower_components",
    "test",
    "tests"
  ]
}
}

```

## 1.18 attr/libattr 2.4.46 :12.e17

### 1.18.1 Available under license :

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Version 2.1, February 1999

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## 1.21 base64 2.1.0

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{
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  "version": "2.1.0",
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    "name": "Peteris Kruminis",
    "email": "peteris.kruminis@gmail.com",
    "web": "http://www.catonmat.net",
    "twitter": "pkruminis"
  },
  "contributors": [
    "Jakub Lekstan <kuebzky@gmail.com>"
  ],
}
```

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"license": "MIT",
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},
"directories": {
  "tests": "tests"
},
"engines": {
  "node": ">=0.8.0"
}
}
```

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## 1.24 bind/openssl\_patches 9.9.4 :14.e17

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```
Index: openssl/crypto/engine/cryptoki.h
diff -u /dev/null openssl/crypto/engine/cryptoki.h:1.4
--- /dev/null Thu May 16 07:44:28 2013
+++ openssl/crypto/engine/cryptoki.h Thu Dec 18 00:14:12 2008
@@ -0,0 +1,103 @@
+/*
+ * CDDL HEADER START
+ *
+ * The contents of this file are subject to the terms of the
+ * Common Development and Distribution License, Version 1.0 only
```

```

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+ * If applicable, add the following below this CDDL HEADER, with the
+ * fields enclosed by brackets "[]" replaced with your own identifying
+ * information: Portions Copyright [yyyy] [name of copyright owner]
+ *
+ * CDDL HEADER END
+ */
+/*
+ * Copyright 2003 Sun Microsystems, Inc. All rights reserved.
+ * Use is subject to license terms.
+ */

```

## 1.25 bl 1.0.0

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=====

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-----

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# 1.26 block-stream 0.0.8

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# 1.27 bluebird 2.9.34

## 1.27.1 Available under license :

```
<a href="http://promisesaplus.com/">
  
</a>
[![Build Status](https://travis-ci.org/petkaantonov/bluebird.svg?branch=master)](https://travis-
ci.org/petkaantonov/bluebird)
[![coverage-98%](http://img.shields.io/badge/coverage-98%-
brightgreen.svg?style=flat)](http://petkaantonov.github.io/bluebird/coverage/debug/index.html)
```

### # Introduction

Bluebird is a fully featured [promise](#what-are-promises-and-why-should-i-use-them) library with focus on innovative features and performance

### # Topics

- [Features](#features)
- [Quick start](#quick-start)
- [API Reference and examples](API.md)
- [Support](#support)
- [What are promises and why should I use them?](#what-are-promises-and-why-should-i-use-them)
- [Questions and issues](#questions-and-issues)
- [Error handling](#error-handling)
- [Development](#development)
  - [Testing](#testing)
  - [Benchmarking](#benchmarks)
  - [Custom builds](#custom-builds)
  - [For library authors](#for-library-authors)
- [What is the sync build?](#what-is-the-sync-build)
- [License](#license)
- [Snippets for common problems](https://github.com/petkaantonov/bluebird/wiki/Snippets)
- [Promise anti-patterns](https://github.com/petkaantonov/bluebird/wiki/Promise-anti-patterns)
- [Changelog](changelog.md)
- [Optimization guide](#optimization-guide)

### # Features

```

```

- [Promises A+](http://promisesaplus.com)
- [Synchronous inspection](API.md#synchronous-inspection)
- [Concurrency coordination](API.md#collections)



- [Promisification on steroids](API.md#promisification)
- [Resource management through a parallel of python `with`/C# `using`](API.md#resource-management)
- [Cancellation and timeouts](API.md#cancellation)
- [Parallel for C# `async` and `await`](API.md#generators)
- Mind blowing utilities such as
  - [`.bind()`](API.md#binddynamic-thisarg---promise)
  - [`.call()`](API.md#callstring-propertyname--dynamic-arg---promise)
  - [`.Promise.join()`](API.md#promisejoinpromisethenablevalue-promises-function-handler---promise)
  - [`.And()`](API.md#core) [`.much()`](API.md#timers) [`.more()`](API.md#utility)!
- [Practical debugging solutions and sane defaults](#error-handling)
- [Sick performance](benchmark/)

<hr>

## # Quick start

### ## Node.js

```
npm install bluebird
```

Then:

```
```js
var Promise = require("bluebird");
```
```

### ## Browsers

There are many ways to use bluebird in browsers:

- Direct downloads
  - Full build [bluebird.js](https://cdn.jsdelivr.net/bluebird/latest/bluebird.js)
  - Full build minified [bluebird.min.js](https://cdn.jsdelivr.net/bluebird/latest/bluebird.min.js)
- You may use browserify on the main export
- You may use the [bower](http://bower.io) package.

When using script tags the global variables `Promise` and `P` (alias for `Promise`) become available.

A [minimal bluebird browser build](#custom-builds) is `&asymp;38.92KB minified*`, `11.65KB gzipped` and has no external dependencies.

\*Google Closure Compiler using Simple.

### #### Browser support

Browsers that [implement ECMA-262, edition 3](http://en.wikipedia.org/wiki/EcmaScript#Implementations) and later are supported.

[![Selenium Test Status](https://saucelabs.com/browser-matrix/petka\_antonov.svg)](https://saucelabs.com/u/petka\_antonov)

**Note** that in ECMA-262, edition 3 (IE7, IE8 etc.) it is not possible to use methods that have keyword names like `.catch`` and `.finally``. The [API documentation](API.md) always lists a compatible alternative name that you can use if you need to support these browsers. For example `.catch`` is replaced with `.caught`` and `.finally`` with `.lastly``.

Also, [long stack trace](API.md#promiselongstacktraces---void) support is only available in Chrome, Firefox and Internet Explorer 10+.

After quick start, see [API Reference and examples](API.md)

---

## # Support

- Mailing list: [bluebird-js@googlegroups.com](https://groups.google.com/forum/#!forum/bluebird-js)
- IRC: #promises @freenode
- StackOverflow: [bluebird tag](http://stackoverflow.com/questions/tagged/bluebird)
- Bugs and feature requests: [github issue tracker](https://github.com/petkaantonov/bluebird/issues?state=open)

---

## # What are promises and why should I use them?

You should use promises to turn this:

```
```js
fs.readFile("file.json", function(err, val) {
  if( err ) {
    console.error("unable to read file");
  }
  else {
    try {
      val = JSON.parse(val);
      console.log(val.success);
    }
    catch( e ) {
      console.error("invalid json in file");
    }
  }
});
```
```

Into this:

```
```js
```

```

fs.readFileAsync("file.json").then(JSON.parse).then(function(val) {
  console.log(val.success);
})
.catch(SyntaxError, function(e) {
  console.error("invalid json in file");
})
.catch(function(e) {
  console.error("unable to read file");
});
```

```

\*If you are wondering "there is no `readFileAsync` method on `fs` that returns a promise", see [promisification](API.md#promisification)\*

Actually you might notice the latter has a lot in common with code that would do the same using synchronous I/O:

```

```js
try {
  var val = JSON.parse(fs.readFileSync("file.json"));
  console.log(val.success);
}
//Syntax actually not supported in JS but drives the point
catch(SyntaxError e) {
  console.error("invalid json in file");
}
catch(Error e) {
  console.error("unable to read file");
}
```

```

And that is the point - being able to have something that is a lot like `return` and `throw` in synchronous code.

You can also use promises to improve code that was written with callback helpers:

```

```js
//Copyright Plato http://stackoverflow.com/a/19385911/995876
//CC BY-SA 2.5
mapSeries(URLs, function (URL, done) {
  var options = {};
  needle.get(URL, options, function (error, response, body) {
    if (error) {
      return done(error);
    }
    try {
      var ret = JSON.parse(body);
      return done(null, ret);
    }
  }
}
)
```

```

```

        catch (e) {
            done(e);
        }
    });
}, function (err, results) {
    if (err) {
        console.log(err);
    } else {
        console.log('All Needle requests successful');
        // results is a 1 to 1 mapping in order of URLs > needle.body
        processAndSaveAllInDB(results, function (err) {
            if (err) {
                return done(err);
            }
            console.log('All Needle requests saved');
            done(null);
        });
    }
});
```

```

Is more pleasing to the eye when done with promises:

```

```js
Promise.promisifyAll(needle);
var options = {};

var current = Promise.resolve();
Promise.map(URLs, function(URL) {
    current = current.then(function () {
        return needle.getAsync(URL, options);
    });
    return current;
}).map(function(responseAndBody){
    return JSON.parse(responseAndBody[1]);
}).then(function (results) {
    return processAndSaveAllInDB(results);
}).then(function(){
    console.log('All Needle requests saved');
}).catch(function (e) {
    console.log(e);
});
```

```

Also promises don't just give you correspondences for synchronous features but can also be used as limited event emitters or callback aggregators.

More reading:

- [Promise nuggets](https://promise-nuggets.github.io/)
- [Why I am switching to promises](http://spion.github.io/posts/why-i-am-switching-to-promises.html)
- [What is the the point of promises](http://domenic.me/2012/10/14/youre-missing-the-point-of-promises/#toc\_1)
- [Snippets for common problems](https://github.com/petkaantonov/bluebird/wiki/Snippets)
- [Promise anti-patterns](https://github.com/petkaantonov/bluebird/wiki/Promise-anti-patterns)

## # Questions and issues

If you find a bug in bluebird or have a feature request, file an issue in the [github issue tracker](https://github.com/petkaantonov/bluebird/issues). Anything else, such as questions for help in using the library, should be posted in [StackOverflow](http://stackoverflow.com/questions/tagged/bluebird) under tags ``promise`` and ``bluebird``.

## # Error handling

This is a problem every promise library needs to handle in some way. Unhandled rejections/exceptions don't really have a good agreed-on asynchronous correspondence. The problem is that it is impossible to predict the future and know if a rejected promise will eventually be handled.

There are two common pragmatic attempts at solving the problem that promise libraries do.

The more popular one is to have the user explicitly communicate that they are done and any unhandled rejections should be thrown, like so:

```
```js
download().then(...).then(...).done();
```
```

For handling this problem, in my opinion, this is completely unacceptable and pointless. The user must remember to explicitly call `.done`` and that cannot be justified when the problem is forgetting to create an error handler in the first place.

The second approach, which is what bluebird by default takes, is to call a registered handler if a rejection is unhandled by the start of a second turn. The default handler is to write the stack trace to ``stderr`` or ``console.error`` in browsers. This is close to what happens with synchronous code - your code doesn't work as expected and you open console and see a stack trace. Nice.

Of course this is not perfect, if your code for some reason needs to swoop in and attach error handler to some promise after the promise has been hanging around a while then you will see annoying messages. In that case you can use the `.done()`` method to signal that any hanging exceptions should be thrown.

If you want to override the default handler for these possibly unhandled rejections, you can pass yours like so:

```
```js
Promise.onPossiblyUnhandledRejection(function(error){
  throw error;
});
```
```

...

If you want to also enable long stack traces, call:

```
```js
Promise.longStackTraces();
```
```

right after the library is loaded.

In node.js use the environment flag `BLUEBIRD_DEBUG`:

```
...
BLUEBIRD_DEBUG=1 node server.js
...
```

to enable long stack traces in all instances of bluebird.

Long stack traces cannot be disabled after being enabled, and cannot be enabled after promises have already been created. Long stack traces imply a substantial performance penalty, even after using every trick to optimize them.

Long stack traces are enabled by default in the debug build.

#### #### Expected and unexpected errors

A practical problem with Promises/A+ is that it models Javascript `try-catch` too closely for its own good. Therefore by default promises inherit `try-catch` warts such as the inability to specify the error types that the catch block is eligible for. It is an anti-pattern in every other language to use catch-all handlers because they swallow exceptions that you might not know about.

Now, Javascript does have a perfectly fine and working way of creating error type hierarchies. It is still quite awkward to use them with the built-in `try-catch` however:

```
```js
try {
  //code
}
catch(e) {
  if( e instanceof WhatIWantError) {
    //handle
  }
  else {
    throw e;
  }
}
```
```

Without such checking, unexpected errors would be silently swallowed. However, with promises, bluebird brings

the future (hopefully) here now and extends the `.catch` to [accept potential error type eligibility](API.md#catchfunction-errorclass-function-handler---promise).

For instance here it is expected that some evil or incompetent entity will try to crash our server from `SyntaxError` by providing syntactically invalid JSON:

```
```js
getJSONFromSomewhere().then(function(jsonString) {
  return JSON.parse(jsonString);
}).then(function(object) {
  console.log("it was valid json: ", object);
}).catch(SyntaxError, function(e){
  console.log("don't be evil");
});
```
```

Here any kind of unexpected error will be automatically reported on `stderr` along with a stack trace because we only register a handler for the expected `SyntaxError`.

Ok, so, that's pretty neat. But actually not many libraries define error types and it is in fact a complete ghetto out there with ad hoc strings being attached as some arbitrary property name like `.name`, `.type`, `.code`, not having any property at all or even throwing strings as errors and so on. So how can we still listen for expected errors?

Bluebird defines a special error type `OperationalError` (you can get a reference from `Promise.OperationalError`). This type of error is given as rejection reason by promisified methods when their underlying library gives an untyped, but expected error. Primitives such as strings, and error objects that are directly created like `new Error("database didn't respond")` are considered untyped.

Example of such library is the node core library `fs`. So if we promisify it, we can catch just the errors we want pretty easily and have programmer errors be redirected to unhandled rejection handler so that we notice them:

```
```js
//Read more about promisification in the API Reference:
//API.md
var fs = Promise.promisifyAll(require("fs"));

fs.readFileAsync("myfile.json").then(JSON.parse).then(function (json) {
  console.log("Successful json");
}).catch(SyntaxError, function (e) {
  console.error("file contains invalid json");
}).catch(Promise.OperationalError, function (e) {
  console.error("unable to read file, because: ", e.message);
});
```
```

The last `catch` handler is only invoked when the `fs` module explicitly used the `err` argument convention of async callbacks to inform of an expected error. The `OperationalError` instance will contain the original error in its `.cause` property but it does have a direct copy of the `.message` and `.stack` too. In this code any unexpected error -

be it in our code or the `fs` module - would not be caught by these handlers and therefore not swallowed.

Since a `catch` handler typed to `Promise.OperationalError` is expected to be used very often, it has a neat shorthand:

```
```js
.error(function (e) {
  console.error("unable to read file, because: ", e.message);
});
```
```

See [API documentation for `.error()`](API.md#error-rejectedhandler----promise)

Finally, Bluebird also supports predicate-based filters. If you pass a predicate function instead of an error type, the predicate will receive the error as an argument. The return result will be used to determine whether the error handler should be called.

Predicates should allow for very fine grained control over caught errors: pattern matching, error typesets with set operations and many other techniques can be implemented on top of them.

Example of using a predicate-based filter:

```
```js
var Promise = require("bluebird");
var request = Promise.promisify(require("request"));

function clientError(e) {
  return e.code >= 400 && e.code < 500;
}

request("http://www.google.com").then(function(contents){
  console.log(contents);
}).catch(clientError, function(e){
  //A client error like 400 Bad Request happened
});
```
```

**\*\*Danger:\*\*** The JavaScript language allows throwing primitive values like strings. Throwing primitives can lead to worse or no stack traces. Primitives [are not exceptions](<http://www.devthought.com/2011/12/22/a-string-is-not-an-error/>). You should consider always throwing Error objects when handling exceptions.

<hr>

#### How do long stack traces differ from e.g. Q?

Bluebird attempts to have more elaborate traces. Consider:



```

```js
Error.stackTraceLimit = 25;
Q.longStackSupport = true;
Q().then(function outer() {
  return Q().then(function inner() {
    return Q().then(function evenMoreInner() {
      a.b.c.d();
    }).catch(function catcher(e){
      console.error(e.stack);
    });
  });
});
```

```

You will see

```

ReferenceError: a is not defined
  at evenMoreInner (<anonymous>:7:13)
From previous event:
  at inner (<anonymous>:6:20)

```

Compare to:

```

```js
Error.stackTraceLimit = 25;
Promise.longStackTraces();
Promise.resolve().then(function outer() {
  return Promise.resolve().then(function inner() {
    return Promise.resolve().then(function evenMoreInner() {
      a.b.c.d();
    }).catch(function catcher(e){
      console.error(e.stack);
    });
  });
});
```

```

```

ReferenceError: a is not defined
  at evenMoreInner (<anonymous>:7:13)
From previous event:
  at inner (<anonymous>:6:36)
From previous event:
  at outer (<anonymous>:5:32)
From previous event:
  at <anonymous>:4:21
  at Object.InjectedScript._evaluateOn (<anonymous>:572:39)
  at Object.InjectedScript._evaluateAndWrap (<anonymous>:531:52)

```

at Object.InjectedScript.evaluate (<anonymous>:450:21)

A better and more practical example of the differences can be seen in gorgikosev's [debuggability competition](https://github.com/spion/async-compare#debuggability).

<hr>

## # Development

For development tasks such as running benchmarks or testing, you need to clone the repository and install dependencies.

Install [node](http://nodejs.org/) and [npm](https://npmjs.org/)

```
git clone git@github.com:petkaantonov/bluebird.git
cd bluebird
npm install
```

## ## Testing

To run all tests, run

```
node tools/test
```

If you need to run generator tests run the `tools/test.js` script with `--harmony` argument and node 0.11+:

```
node-dev --harmony tools/test
```

You may specify an individual test file to run with the `--run` script flag:

```
node tools/test --run=cancel.js
```

This enables output from the test and may give a better idea where the test is failing. The parameter to `--run` can be any file name located in `test/mocha` folder.

## #### Testing in browsers

To run the test in a browser instead of node, pass the flag `--browser` to the test tool

```
node tools/test --run=cancel.js --browser
```

This will automatically create a server (default port 9999) and open it in your default browser once the tests have been compiled.

Keep the test tab active because some tests are timing-sensitive and will fail if the browser is throttling timeouts. Chrome will do this for example when the tab is not active.

#### #### Supported options by the test tool

The value of boolean flags is determined by presence, if you want to pass false value for a boolean flag, use the `no-` prefix e.g. `--no-browser`.

- `--run=String` - Which tests to run (or compile when testing in browser). Default `all`. Can also be a glob string (relative to `./test/mocha` folder).
- `--cover=String` - Create code coverage using the String as istanbul reporter. Coverage is created in the `./coverage` folder. No coverage is created by default, default reporter is `html` (use `--cover` to use default reporter).
- `--browser` - Whether to compile tests for browsers. Default `false`.
- `--port=Number` - Port where local server is hosted when testing in browser. Default `9999`
- `--execute-browser-tests` - Whether to execute the compiled tests for browser when using `--browser`. Default `true`.
- `--open-browser` - Whether to open the default browser when executing browser tests. Default `true`.
- `--fake-timers` - Whether to use fake timers (`setTimeout` etc) when running tests in node. Default `true`.
- `--js-hint` - Whether to run JSHint on source files. Default `true`.
- `--saucelabs` - Whether to create a tunnel to sauce labs and run tests in their VMs instead of your browser when compiling tests for browser. Default `false`.

#### ## Benchmarks

To run a benchmark, run the given command for a benchmark while on the project root. Requires bash (on windows the mingw32 that comes with git works fine too).

Node 0.11.2+ is required to run the generator examples.

#### ### 1\ DoxBee sequential

Currently the most relevant benchmark is @gorkikosev's benchmark in the article [Analysis of generators and other async patterns in node](<http://spion.github.io/posts/analysis-generators-and-other-async-patterns-node.html>). The benchmark emulates a situation where n amount of users are making a request in parallel to execute some mixed async/sync action. The benchmark has been modified to include a warm-up phase to minimize any JITing during timed sections.

Command: `bench doxbee`

#### ### 2\ Made-up parallel

This made-up scenario runs 15 shimmed queries in parallel.

Command: `bench parallel`

#### ## Custom builds

Custom builds for browsers are supported through a command-line utility.

```

<table>
  <caption>The following features can be disabled</caption>
  <thead>
    <tr>
      <th>Feature(s)</th>
      <th>Command line identifier</th>
    </tr>
  </thead>
  <tbody>

    <tr><td><a href="API.md#any---promise"><code>.any</code></a> and <a
href="API.md#promiseanyarraydynamicpromise-values---
promise"><code>Promise.any</code></a></td><td><code>any</code></td></tr>
    <tr><td><a href="API.md#race---promise"><code>.race</code></a> and <a
href="API.md#promiseraarraypromise-promises---
promise"><code>Promise.race</code></a></td><td><code>race</code></td></tr>
    <tr><td><a href="API.md#callstring-propertyname--dynamic-arg---promise"><code>.call</code></a> and <a
href="API.md#getstring-propertyname---
promise"><code>.get</code></a></td><td><code>call_get</code></td></tr>
    <tr><td><a href="API.md#filterfunction-filterer---promise"><code>.filter</code></a> and <a
href="API.md#promisefilterarraydynamicpromise-values-function-filterer---
promise"><code>Promise.filter</code></a></td><td><code>filter</code></td></tr>
    <tr><td><a href="API.md#mapfunction-mapper---promise"><code>.map</code></a> and <a
href="API.md#promisemaparraydynamicpromise-values-function-mapper---
promise"><code>Promise.map</code></a></td><td><code>map</code></td></tr>
    <tr><td><a href="API.md#reducefunction-reducer--dynamic-initialvalue---
promise"><code>.reduce</code></a> and <a href="API.md#promisereducearraydynamicpromise-values-function-
reducer--dynamic-initialvalue---
promise"><code>Promise.reduce</code></a></td><td><code>reduce</code></td></tr>
    <tr><td><a href="API.md#props---promise"><code>.props</code></a> and <a
href="API.md#promisepropsobjectpromise-object---
promise"><code>Promise.props</code></a></td><td><code>props</code></td></tr>
    <tr><td><a href="API.md#settle---promise"><code>.settle</code></a> and <a
href="API.md#promisesttlearraydynamicpromise-values---
promise"><code>Promise.settle</code></a></td><td><code>settle</code></td></tr>
    <tr><td><a href="API.md#someint-count---promise"><code>.some</code></a> and <a
href="API.md#promisesomearraydynamicpromise-values-int-count---
promise"><code>Promise.some</code></a></td><td><code>some</code></td></tr>
    <tr><td><a href="API.md#nodeifyfunction-callback---
promise"><code>.nodeify</code></a></td><td><code>nodeify</code></td></tr>
    <tr><td><a href="API.md#promisecoroutinegeneratorfunction-generatorfunction---
function"><code>Promise.coroutine</code></a> and <a href="API.md#promisespawngeneratorfunction-
generatorfunction---promise"><code>Promise.spawn</code></a></td><td><code>generators</code></td></tr>
    <tr><td><a href="API.md#progression">Progression</a></td><td><code>progress</code></td></tr>
    <tr><td><a href="API.md#promisification">Promisification</a></td><td><code>promisify</code></td></tr>
    <tr><td><a href="API.md#cancellation">Cancellation</a></td><td><code>cancel</code></td></tr>
    <tr><td><a href="API.md#timers">Timers</a></td><td><code>timers</code></td></tr>
    <tr><td><a href="API.md#resource-management">Resource

```

```
management</a></td><td><code>using</code></td></tr>
```

```
</tbody>  
</table>
```

Make sure you have cloned the repo somewhere and did `npm install` successfully.

After that you can run:

```
node tools/build --features="core"
```

The above builds the most minimal build you can get. You can add more features separated by spaces from the above list:

```
node tools/build --features="core filter map reduce"
```

The custom build file will be found from `js/browser/bluebird.js`. It will have a comment that lists the disabled and enabled features.

Note that the build leaves the `js/main` etc folders with same features so if you use the folder for node.js at the same time, don't forget to build a full version afterwards (after having taken a copy of the bluebird.js somewhere):

```
node tools/build --debug --main --zalgo --browser --minify
```

#### Supported options by the build tool

The value of boolean flags is determined by presence, if you want to pass false value for a boolean flag, use the `no-` prefix e.g. `--no-debug`.

- `--main` - Whether to build the main build. The main build is placed at `js/main` directory. Default `false`.
- `--debug` - Whether to build the debug build. The debug build is placed at `js/debug` directory. Default `false`.
- `--zalgo` - Whether to build the zalgo build. The zalgo build is placed at `js/zalgo` directory. Default `false`.
- `--browser` - Whether to compile the browser build. The browser build file is placed at `js/browser/bluebird.js` Default `false`.
- `--minify` - Whether to minify the compiled browser build. The minified browser build file is placed at `js/browser/bluebird.min.js` Default `true`.
- `--features=String` - See [custom builds](#custom-builds)

```
<hr>
```

```
## For library authors
```

Building a library that depends on bluebird? You should know about a few features.

If your library needs to do something obtrusive like adding or modifying methods on the `Promise` prototype, uses

long stack traces or uses a custom unhandled rejection handler then... that's totally ok as long as you don't use `require("bluebird")`. Instead you should create a file that creates an isolated copy. For example, creating a file called `bluebird-extended.js` that contains:

```
```js
    //NOTE the function call right after
module.exports = require("bluebird/js/main/promise");
```
```

Your library can then use `var Promise = require("bluebird-extended");` and do whatever it wants with it. Then if the application or other library uses their own bluebird promises they will all play well together because of Promises/A+ thenable assimilation magic.

You should also know about `[.nodeify()](API.md#nodeifyfunction-callback---promise)` which makes it easy to provide a dual callback/promise API.

---

### ## What is the sync build?

You may now use sync build by:

```
var Promise = require("bluebird/zaigo");
```

The sync build is provided to see how forced asynchronicity affects benchmarks. It should not be used in real code due to the implied hazards.

The normal async build gives Promises/A+ guarantees about asynchronous resolution of promises. Some people think this affects performance or just plain love their code having a possibility of stack overflow errors and non-deterministic behavior.

The sync build skips the async call trampoline completely, e.g code like:

```
async.invoke( this.fn, this, val );
```

Appears as this in the sync build:

```
this.fn(val);
```

This should pressure the CPU slightly less and thus the sync build should perform better. Indeed it does, but only marginally. The biggest performance boosts are from writing efficient Javascript, not from compromising determinism.

Note that while some benchmarks are waiting for the next event tick, the CPU is actually not in use during that time. So the resulting benchmark result is not completely accurate because on node.js you only care about how much the CPU is taxed. Any time spent on CPU is time the whole process (or server) is paralyzed. And it is not graceful like it would be with threads.

```

```js
var cache = new Map(); //ES6 Map or DataStructures/Map or whatever...
function getResult(url) {
  var resolver = Promise.pending();
  if (cache.has(url)) {
    resolver.resolve(cache.get(url));
  }
  else {
    http.get(url, function(err, content) {
      if (err) resolver.reject(err);
      else {
        cache.set(url, content);
        resolver.resolve(content);
      }
    });
  }
  return resolver.promise;
}

```

//The result of console.log is truly random without async guarantees

```

function guessWhatItPrints( url ) {
  var i = 3;
  getResult(url).then(function(){
    i = 4;
  });
  console.log(i);
}
```

```

## # Optimization guide

Articles about optimization will be periodically posted in [the wiki section](<https://github.com/petkaantonov/bluebird/wiki>), polishing edits are welcome.

A single cohesive guide compiled from the articles will probably be done eventually.

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\* \* \*

The complete list of contributors can be found at: <https://github.com/hapijs/boom/graphs/contributors>

## 1.30 brace-expansion 1.1.0

### 1.30.1 Available under license :

```
# brace-expansion
```

```
[Brace expansion](https://www.gnu.org/software/bash/manual/html_node/Brace-Expansion.html),  
as known from sh/bash, in JavaScript.
```

```
[![build status](https://secure.travis-ci.org/juliangruber/brace-expansion.svg)](http://travis-ci.org/juliangruber/brace-expansion)
```

```
[![testling badge](https://ci.testling.com/juliangruber/brace-expansion.png)](https://ci.testling.com/juliangruber/brace-expansion)
```

```
## Example
```

```

```js
var expand = require('brace-expansion');

expand('file-{a,b,c}.jpg')
// => ['file-a.jpg', 'file-b.jpg', 'file-c.jpg']

expand('-v{,,}')
// => ['-v', '-v', '-v']

expand('file{0..2}.jpg')
// => ['file0.jpg', 'file1.jpg', 'file2.jpg']

expand('file-{a..c}.jpg')
// => ['file-a.jpg', 'file-b.jpg', 'file-c.jpg']

expand('file{2..0}.jpg')
// => ['file2.jpg', 'file1.jpg', 'file0.jpg']

expand('file{0..4..2}.jpg')
// => ['file0.jpg', 'file2.jpg', 'file4.jpg']

expand('file-{a..e..2}.jpg')
// => ['file-a.jpg', 'file-c.jpg', 'file-e.jpg']

expand('file{00..10..5}.jpg')
// => ['file00.jpg', 'file05.jpg', 'file10.jpg']

expand('{{A..C},{a..c}}')
// => ['A', 'B', 'C', 'a', 'b', 'c']

expand('ppp{,config,oe{,conf}}')
// => ['ppp', 'pppconfig', 'pppoe', 'pppoeconf']
```

```

## ## API

```

```js
var expand = require('brace-expansion');
```

```

```

### var expanded = expand(str)

```

Return an array of all possible and valid expansions of `str`. If none are found, `[str]` is returned.

Valid expansions are:

```

```js

```

```
/^(.*,)+(.)?$/  
// {a,b,...}  
^^
```

A comma separated list of options, like `{a,b}` or `{a,{b,c}}` or `{,a}`.

```
^^js  
/^-?\d+\.\.-?\d+(\.\.-?\d+)?$/  
// {x..y[..incr]}  
^^
```

A numeric sequence from `x` to `y` inclusive, with optional increment.  
If `x` or `y` start with a leading `0`, all the numbers will be padded  
to have equal length. Negative numbers and backwards iteration work too.

```
^^js  
/^-?\d+\.\.-?\d+(\.\.-?\d+)?$/  
// {x..y[..incr]}  
^^
```

An alphabetic sequence from `x` to `y` inclusive, with optional increment.  
`x` and `y` must be exactly one character, and if given, `incr` must be a  
number.

For compatibility reasons, the string ``${}`` is not eligible for brace expansion.

```
## Installation
```

With `[npm](https://npmjs.org)` do:

```
^^bash  
npm install brace-expansion  
^^
```

```
## Contributors
```

```
- [Julian Gruber](https://github.com/juliangruber)  
- [Isaac Z. Schlueter](https://github.com/isaacs)
```

```
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```

```
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## 1.31 buffer-crc32 0.2.5

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## 1.32 buffer-crc32 0.1.1

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```
"author": "Brian J. Brennan <brianloveswords@gmail.com> (http://bjb.io)",  
"url": "git://github.com/brianloveswords/buffer-crc32.git"
```

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## 1.34 builtins 0.0.7

### 1.34.1 Available under license :

```
# builtins
```

List of node.js [builtin modules](<http://nodejs.org/api/>).

```
[![build status](https://secure.travis-ci.org/juliangruber/builtins.svg)](http://travis-ci.org/juliangruber/builtins)
```

```
## Example
```

```
```js  
var builtins = require('builtins');  
  
assert(builtins.indexOf('http') > -1);  
```
```

## License

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## 1.35 bundletest 0.0.1

### 1.35.1 Available under license :

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## 1.36 bytes 0.2.1

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## 1.37 bytes 2.1.0

### 1.37.1 Available under license :

# Bytes utility

Utility to parse a string bytes (ex: `1TB`) to bytes (`1099511627776`) and vice-versa.

## Usage

```
```js
var bytes = require('bytes');
```
```

#### bytes.format(number value, [options]): string|null

Format the given value in bytes into a string. If the value is negative, it is kept as such. If it is a float, it is rounded.

\*\*Arguments\*\*

| Name    | Type     | Description        |
|---------|----------|--------------------|
| value   | `number` | Value in bytes     |
| options | `Object` | Conversion options |

\*\*Options\*\*

| Property           | Type                         | Description                                                    |
|--------------------|------------------------------|----------------------------------------------------------------|
| thousandsSeparator | `string`   `number`   `null` | Example of values: `','`, `.` and ` `... Default value to `.`. |

\*\*Returns\*\*

| Name | Type | Description |
|------|------|-------------|
|------|------|-------------|

| results | `string`&#124;`null` | Return null upon error. String value otherwise. |

#### **\*\*Example\*\***

```
```js
bytes(1024);
// output: '1kB'

bytes(1000);
// output: '1000B'

bytes(1000, { thousandsSeparator: ' ' });
// output: '1 000B'
```
```

#### bytes.parse(string value): number|null

Parse the string value into an integer in bytes. If no unit is given, it is assumed the value is in bytes.

#### **\*\*Arguments\*\***

| Name  | Type     | Description      |
|-------|----------|------------------|
| value | `string` | String to parse. |

#### **\*\*Returns\*\***

| Name    | Type                 | Description                                       |
|---------|----------------------|---------------------------------------------------|
| results | `number`&#124;`null` | Return null upon error. Value in bytes otherwise. |

#### **\*\*Example\*\***

```
```js
bytes('1kB');
// output: 1024

bytes('1024');
// output: 1024
```
```

#### **## Installation**

```
```bash
npm install bytes --save
component install visionmedia/bytes.js
```
```



## License

[![npm](https://img.shields.io/npm/l/express.svg)](https://github.com/visionmedia/bytes.js/blob/master/LICENSE)

## 1.38 bytes 0.2.0

### 1.38.1 Available under license :

# node-bytes

Byte string parser / formatter.

## Example:

```
```js
bytes('1kb')
// => 1024

bytes('2mb')
// => 2097152

bytes('1gb')
// => 1073741824

bytes(1073741824)
// => 1gb
```
```

## Installation

```
```
$ npm install bytes
$ component install visionmedia/bytes.js
```
```

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## 1.39 caseless 0.11.0

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Version 2.0, January 2004

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Version 3, 29 June 2007

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<program> Copyright (C) <year> <name of author>

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# 1.41 chalk 1.1.1

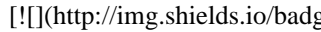
## 1.41.1 Available under license :

```
<h1 align="center">
<br>
<br>

<br>
<br>
<br>
</h1>
```

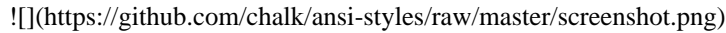
> Terminal string styling done right

```
[![Build Status](https://travis-ci.org/chalk/chalk.svg?branch=master)](https://travis-ci.org/chalk/chalk)
[![Coverage
Status](https://coveralls.io/repos/chalk/chalk/badge.svg?branch=master)](https://coveralls.io/r/chalk/chalk?branch=
master)
```

 <https://www.youtube.com/watch?v=9auOCbH5Ns4>

`colors.js` (<https://github.com/Marak/colors.js>) used to be the most popular string styling module, but it has serious deficiencies like extending `String.prototype` which causes all kinds of [problems](https://github.com/yeoman/yo/issues/68) (<https://github.com/yeoman/yo/issues/68>). Although there are other ones, they either do too much or not enough.

**\*\*Chalk is a clean and focused alternative.\*\***



## ## Why

- Highly performant
- Doesn't extend `String.prototype`
- Expressive API
- Ability to nest styles
- Clean and focused
- Auto-detects color support
- Actively maintained
- [Used by ~4500 modules] (<https://www.npmjs.com/browse/depended/chalk>) as of July 15, 2015

## ## Install

...

```
$ npm install --save chalk
```

...

## ## Usage

Chalk comes with an easy to use composable API where you just chain and nest the styles you want.

```
```js
var chalk = require('chalk');

// style a string
chalk.blue('Hello world!');

// combine styled and normal strings
chalk.blue('Hello') + 'World' + chalk.red(!);

// compose multiple styles using the chainable API
chalk.blue.bgRed.bold('Hello world!');
```



```

// pass in multiple arguments
chalk.blue('Hello', 'World!', 'Foo', 'bar', 'biz', 'baz');

// nest styles
chalk.red('Hello', chalk.underline.bgBlue('world') + '!');

// nest styles of the same type even (color, underline, background)
chalk.green(
  'I am a green line ' +
  chalk.blue.underline.bold('with a blue substring') +
  ' that becomes green again!'
);
...

```

Easily define your own themes.

```

```js
var chalk = require('chalk');
var error = chalk.bold.red;
console.log(error('Error!'));
...

```

Take advantage of `console.log` [string substitution]([http://nodejs.org/docs/latest/api/console.html#console\\_console\\_log\\_data](http://nodejs.org/docs/latest/api/console.html#console_console_log_data)).

```

```js
var name = 'Sindre';
console.log(chalk.green('Hello %s'), name);
//=> Hello Sindre
...

```

## ## API

```

### chalk.`<style>[.<style>...](string, [string...])`

```

Example: `chalk.red.bold.underline('Hello', 'world');`

Chain [styles](#styles) and call the last one as a method with a string argument. Order doesn't matter, and later styles take precedent in case of a conflict. This simply means that `Chalk.red.yellow.green` is equivalent to Chalk.green`.`

Multiple arguments will be separated by space.

```

### chalk.enabled

```

Color support is automatically detected, but you can override it by setting the `enabled` property. You should however only do this in your own code as it applies globally to all chalk consumers.`

If you need to change this in a reusable module create a new instance:

```
```js
var ctx = new chalk.constructor({enabled: false});
```
```

### chalk.supportsColor

Detect whether the terminal [supports color](https://github.com/chalk/supports-color). Used internally and handled for you, but exposed for convenience.

Can be overridden by the user with the flags `--color` and `--no-color`. For situations where using `--color` is not possible, add an environment variable `FORCE_COLOR` with any value to force color. Trumps `--no-color`.

### chalk.styles

Exposes the styles as [ANSI escape codes](https://github.com/chalk/ansi-styles).

Generally not useful, but you might need just the `.open` or `.close` escape code if you're mixing externally styled strings with your own.

```
```js
var chalk = require('chalk');

console.log(chalk.styles.red);
//=> { open: '\u001b[31m', close: '\u001b[39m'}

console.log(chalk.styles.red.open + 'Hello' + chalk.styles.red.close);
```
```

### chalk.hasColor(string)

Check whether a string [has color](https://github.com/chalk/has-ansi).

### chalk.stripColor(string)

[Strip color](https://github.com/chalk/strip-ansi) from a string.

Can be useful in combination with `.supportsColor` to strip color on externally styled text when it's not supported.

Example:

```
```js
var chalk = require('chalk');
var styledString = getText();

if (!chalk.supportsColor) {
  styledString = chalk.stripColor(styledString);
}
```

```
}  
...
```

## ## Styles

### ### Modifiers

```
- `reset`  
- `bold`  
- `dim`  
- `italic` *(not widely supported)*  
- `underline`  
- `inverse`  
- `hidden`  
- `strikethrough` *(not widely supported)*
```

### ### Colors

```
- `black`  
- `red`  
- `green`  
- `yellow`  
- `blue` *(on Windows the bright version is used as normal blue is illegible)*  
- `magenta`  
- `cyan`  
- `white`  
- `gray`
```

### ### Background colors

```
- `bgBlack`  
- `bgRed`  
- `bgGreen`  
- `bgYellow`  
- `bgBlue`  
- `bgMagenta`  
- `bgCyan`  
- `bgWhite`
```

## ## 256-colors

Chalk does not support anything other than the base eight colors, which guarantees it will work on all terminals and systems. Some terminals, specifically `xterm` compliant ones, will support the full range of 8-bit colors. For this the lower level `[ansi-256-colors]`(<https://github.com/jbnicolai/ansi-256-colors>) package can be used.

## ## Windows

If you're on Windows, do yourself a favor and use `[^cmdr^]`(<http://blikier.github.io/cmdr/>) instead of `cmd.exe`.

## ## Related

- `[chalk-cli]`(<https://github.com/chalk/chalk-cli>) - CLI for this module
- `[ansi-styles]`(<https://github.com/chalk/ansi-styles/>) - ANSI escape codes for styling strings in the terminal
- `[supports-color]`(<https://github.com/chalk/supports-color/>) - Detect whether a terminal supports color
- `[strip-ansi]`(<https://github.com/chalk/strip-ansi>) - Strip ANSI escape codes
- `[has-ansi]`(<https://github.com/chalk/has-ansi>) - Check if a string has ANSI escape codes
- `[ansi-regex]`(<https://github.com/chalk/ansi-regex>) - Regular expression for matching ANSI escape codes
- `[wrap-ansi]`(<https://github.com/chalk/wrap-ansi>) - Wordwrap a string with ANSI escape codes

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# 1.42 chownr 0.0.2

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## 1.43 combined-stream 1.0.5

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## 1.45 commander 0.6.1

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## 1.47 commander 2.8.1

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# Commander.js

[![Build Status](https://api.travis-ci.org/tj/commander.js.svg)](http://travis-ci.org/tj/commander.js)  
[![NPM Version](http://img.shields.io/npm/v/commander.svg?style=flat)](https://www.npmjs.org/package/commander)  
[![NPM Downloads](https://img.shields.io/npm/dm/commander.svg?style=flat)](https://www.npmjs.org/package/commander)  
[!Join the chat at https://gitter.im/tj/commander.js](https://badges.gitter.im/Join%20Chat.svg)](https://gitter.im/tj/commander.js?utm\_source=badge&utm\_medium=badge&utm\_campaign=pr-badge&utm\_content=badge)

The complete solution for [node.js](http://nodejs.org) command-line interfaces, inspired by Ruby's [commander](https://github.com/tj/commander).  
[API documentation](http://tj.github.com/commander.js/)

## Installation

```
$ npm install commander
```

## ## Option parsing

Options with commander are defined with the `.option()` method, also serving as documentation for the options. The example below parses args and options from `process.argv`, leaving remaining args as the `program.args` array which were not consumed by options.

```
```js
#!/usr/bin/env node

/**
 * Module dependencies.
 */

var program = require('commander');

program
  .version('0.0.1')
  .option('-p, --peppers', 'Add peppers')
  .option('-P, --pineapple', 'Add pineapple')
  .option('-b, --bbq-sauce', 'Add bbq sauce')
  .option('-c, --cheese [type]', 'Add the specified type of cheese [marble]', 'marble')
  .parse(process.argv);

console.log('you ordered a pizza with:');
if (program.peppers) console.log(' - peppers');
if (program.pineapple) console.log(' - pineapple');
if (program.bbqSauce) console.log(' - bbq');
console.log(' - %s cheese', program.cheese);
```
```

Short flags may be passed as a single arg, for example `-abc` is equivalent to `-a -b -c`. Multi-word options such as `--template-engine` are camel-cased, becoming `program.templateEngine` etc.

## ## Coercion

```
```js
function range(val) {
  return val.split('.').map(Number);
}

function list(val) {
  return val.split(',');
}

function collect(val, memo) {
```



```

memo.push(val);
return memo;
}

function increaseVerbosity(v, total) {
return total + 1;
}

program
.version('0.0.1')
.usage('[options] <file ...>')
.option('-i, --integer <n>', 'An integer argument', parseInt)
.option('-f, --float <n>', 'A float argument', parseFloat)
.option('-r, --range <a>..<b>', 'A range', range)
.option('-l, --list <items>', 'A list', list)
.option('-o, --optional [value]', 'An optional value')
.option('-c, --collect [value]', 'A repeatable value', collect, [])
.option('-v, --verbose', 'A value that can be increased', increaseVerbosity, 0)
.parse(process.argv);

console.log(' int: %j', program.integer);
console.log(' float: %j', program.float);
console.log(' optional: %j', program.optional);
program.range = program.range || [];
console.log(' range: %j..%j', program.range[0], program.range[1]);
console.log(' list: %j', program.list);
console.log(' collect: %j', program.collect);
console.log(' verbosity: %j', program.verbose);
console.log(' args: %j', program.args);
...

## Regular Expression
```js
program
.version('0.0.1')
.option('-s --size <size>', 'Pizza size', /^(large|medium|small)$/i, 'medium')
.option('-d --drink [drink]', 'Drink', /^(coke|pepsi|izze)$/i)
.parse(process.argv);

console.log(' size: %j', program.size);
console.log(' drink: %j', program.drink);
...

## Variadic arguments

```

The last argument of a command can be variadic, and only the last argument. To make an argument variadic you have to

append `...` to the argument name. Here is an example:

```

```js
#!/usr/bin/env node

/**
 * Module dependencies.
 */

var program = require('commander');

program
  .version('0.0.1')
  .command('rmdir <dir> [otherDirs...]')
  .action(function (dir, otherDirs) {
    console.log('rmdir %s', dir);
    if (otherDirs) {
      otherDirs.forEach(function (oDir) {
        console.log('rmdir %s', oDir);
      });
    }
  });

program.parse(process.argv);
```

```

An `Array` is used for the value of a variadic argument. This applies to `program.args` as well as the argument passed to your action as demonstrated above.

## Specify the argument syntax

```

```js
#!/usr/bin/env node

var program = require('./');

program
  .version('0.0.1')
  .arguments('<cmd> [env]')
  .action(function (cmd, env) {
    cmdValue = cmd;
    envValue = env;
  });

program.parse(process.argv);

if (typeof cmdValue === 'undefined') {
  console.error('no command given!');
}
```

```

```

    process.exit(1);
  }
  console.log('command:', cmdValue);
  console.log('environment:', envValue || "no environment given");
  ...

  ## Git-style sub-commands

  ```js
  // file: ./examples/pm
  var program = require('.');

  program
    .version('0.0.1')
    .command('install [name]', 'install one or more packages')
    .command('search [query]', 'search with optional query')
    .command('list', 'list packages installed')
    .parse(process.argv);
  ...

```

When `.command()` is invoked with a description argument, no `.action(callback)` should be called to handle sub-commands, otherwise there will be an error. This tells commander that you're going to use separate executables for sub-commands, much like `git(1)` and other popular tools.

The commander will try to search the executables in the directory of the entry script (like `./examples/pm`) with the name `program-command`, like `pm-install`, `pm-search`.

If the program is designed to be installed globally, make sure the executables have proper modes, like `755`.

```
### `--harmony`
```

You can enable `--harmony` option in two ways:

- \* Use `#!/usr/bin/env node --harmony` in the sub-commands scripts. Note some os version don't support this pattern.
- \* Use the `--harmony` option when call the command, like `node --harmony examples/pm publish`. The `--harmony` option will be preserved when spawning sub-command process.

```
## Automated --help
```

The help information is auto-generated based on the information commander already knows about your program, so the following `--help` info is for free:

```
...
$ ./examples/pizza --help
```

```
Usage: pizza [options]
```

```
An application for pizzas ordering
```

Options:

```
-h, --help      output usage information
-V, --version   output the version number
-p, --peppers   Add peppers
-P, --pineapple Add pineapple
-b, --bbq       Add bbq sauce
-c, --cheese <type> Add the specified type of cheese [marble]
-C, --no-cheese You do not want any cheese
```

...

## Custom help

You can display arbitrary `-h, --help`` information by listening for `--help`. Commander will automatically exit once you are done so that the remainder of your program does not execute causing undesired behaviours, for example in the following executable `"stuff"` will not output when `--help`` is used.

```
```js
#!/usr/bin/env node

/**
 * Module dependencies.
 */

var program = require('commander');

program
  .version('0.0.1')
  .option('-f, --foo', 'enable some foo')
  .option('-b, --bar', 'enable some bar')
  .option('-B, --baz', 'enable some baz');

// must be before .parse() since
// node's emit() is immediate

program.on('--help', function(){
  console.log(' Examples:');
  console.log("");
  console.log(' $ custom-help --help');
  console.log(' $ custom-help -h');
  console.log("");
});

program.parse(process.argv);
```

```
console.log('stuff');
...

```

Yields the following help output when ``node script-name.js -h`` or ``node script-name.js --help`` are run:

```
...
```

Usage: custom-help [options]

Options:

```
-h, --help  output usage information
-V, --version  output the version number
-f, --foo    enable some foo
-b, --bar    enable some bar
-B, --baz    enable some baz

```

Examples:

```
$ custom-help --help
$ custom-help -h

```

```
...
```

```
## .outputHelp()

```

Output help information without exiting.

If you want to display help by default (e.g. if no command was provided), you can use something like:

```
```js
var program = require('commander');

program
  .version('0.0.1')
  .command('getstream [url]', 'get stream URL')
  .parse(process.argv);

if (!process.argv.slice(2).length) {
  program.outputHelp();
}
```

```

```
## .help()

```

Output help information and exit immediately.

## ## Examples

```
```js
var program = require('commander');

program
  .version('0.0.1')
  .option('-C, --chdir <path>', 'change the working directory')
  .option('-c, --config <path>', 'set config path. defaults to ./deploy.conf')
  .option('-T, --no-tests', 'ignore test hook')

program
  .command('setup [env]')
  .description('run setup commands for all envs')
  .option("-s, --setup_mode [mode]", "Which setup mode to use")
  .action(function(env, options){
    var mode = options.setup_mode || "normal";
    env = env || 'all';
    console.log('setup for %s env(s) with %s mode', env, mode);
  });

program
  .command('exec <cmd>')
  .alias('ex')
  .description('execute the given remote cmd')
  .option("-e, --exec_mode <mode>", "Which exec mode to use")
  .action(function(cmd, options){
    console.log('exec "%s" using %s mode', cmd, options.exec_mode);
  }).on('--help', function() {
    console.log(' Examples:');
    console.log();
    console.log(' $ deploy exec sequential');
    console.log(' $ deploy exec async');
    console.log();
  });

program
  .command('*')
  .action(function(env){
    console.log('deploying "%s"', env);
  });

program.parse(process.argv);
```
```

More Demos can be found in the [examples](<https://github.com/tj/commander.js/tree/master/examples>) directory.

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## 1.50 cookie 0.1.0

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## 1.51 cookie 0.0.5

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"author": "Roman Shtylman <shtylman@gmail.com>",

"url": "git://github.com/shtylman/node-cookie.git"

## 1.52 cookie-parser 1.4.3

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## 1.53 cookie-signature 0.0.1

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```
# cookie-signature
```

```
Sign and unsign cookies.
```

```
## Example
```

```
```js
```

```
var cookie = require('cookie-signature');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
val.should.equal('hello.DGDUkGIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
cookie.unsign(val, 'tobiiscool').should.equal('hello');
```

```
cookie.unsign(val, 'luna').should.be.false;
```

```
```
```

```
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```

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```

```
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# 1.55 cookie-signature 1.0.3

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```
# cookie-signature
```

```
Sign and unsign cookies.
```

```
## Example
```

```
```js
```

```
var cookie = require('cookie-signature');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
val.should.equal('hello.DGDUkGIikCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');
```

```
var val = cookie.sign('hello', 'tobiiscool');
```

```
cookie.unsign(val, 'tobiiscool').should.equal('hello');
```

```
cookie.unsign(val, 'luna').should.be.false;
```

```
```
```

```
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"author": "David Waite" david@alkaline-solutions.com

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General

Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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## 1.63 cups-libs 1.6.3

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1 Infinite Loop

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## 1.64 cyrus-sasl/libdes 2.1.26 :17.el7

### 1.64.1 Notifications :

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## 1.65 debug 0.8.1

### 1.65.1 Available under license :

```
# debug
```

```
tiny node.js debugging utility modelled after node core's debugging technique.
```

```
## Installation
```

```
...
```

```
$ npm install debug
```

```
^^^
```

## ## Usage

With `debug`` you simply invoke the exported function to generate your debug function, passing it a name which will determine if a noop function is returned, or a decorated `console.error``, so all of the `console`` format string goodies you're used to work fine. A unique color is selected per-function for visibility.

Example `_app.js``:

```
^^js
var debug = require('debug')('http')
, http = require('http')
, name = 'My App';
```

```
// fake app
```

```
debug('booting %s', name);
```

```
http.createServer(function(req, res){
  debug(req.method + ' ' + req.url);
  res.end('hello\n');
}).listen(3000, function(){
  debug('listening');
});
```

```
// fake worker of some kind
```

```
require('./worker');
```

```
^^^
```

Example `_worker.js``:

```
^^js
var debug = require('debug')('worker');
```

```
setInterval(function(){
  debug('doing some work');
}, 1000);
```

```
^^^
```

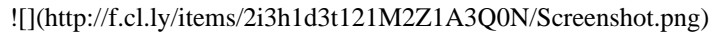
The `__DEBUG__`` environment variable is then used to enable these based on space or comma-delimited names. Here are some examples:

```
![debug http and worker](http://f.cl.ly/items/18471z1H402O24072r1J/Screenshot.png)
```

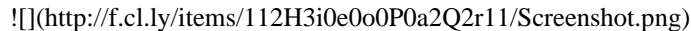
```
![debug worker](http://f.cl.ly/items/1X413v1a3M0d3C2c1E0i/Screenshot.png)
```

## ## Millisecond diff

When actively developing an application it can be useful to see when the time spent between one `debug()` call and the next. Suppose for example you invoke `debug()` before requesting a resource, and after as well, the "+NNNms" will show you how much time was spent between calls.



When stdout is not a TTY, `Date#toUTCString()` is used, making it more useful for logging the debug information as shown below:



## ## Conventions

If you're using this in one or more of your libraries, you should use the name of your library so that developers may toggle debugging as desired without guessing names. If you have more than one debuggers you should prefix them with your library name and use ":" to separate features. For example "bodyParser" from Connect would then be "connect:bodyParser".

## ## Wildcards

The `*` character may be used as a wildcard. Suppose for example your library has debuggers named "connect:bodyParser", "connect:compress", "connect:session", instead of listing all three with `DEBUG=connect:bodyParser,connect.compress,connect:session`, you may simply do `DEBUG=connect:*`, or to run everything using this module simply use `DEBUG=*`.

You can also exclude specific debuggers by prefixing them with a "-" character. For example, `DEBUG=* -connect:*` would include all debuggers except those starting with "connect:".

## ## Browser support

Debug works in the browser as well, currently persisted by `localStorage`. For example if you have `worker:a` and `worker:b` as shown below, and wish to debug both type `debug.enable('worker:*')` in the console and refresh the page, this will remain until you disable with `debug.disable()`.

```
```js
a = debug('worker:a');
b = debug('worker:b');

setInterval(function(){
  a('doing some work');
}, 1000);

setInterval(function(){
  a('doing some work');
}, 1200);
```

...

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# 1.66 debug 2.2.0

## 1.66.1 Available under license :

# debug

tiny node.js debugging utility modelled after node core's debugging technique.

## Installation

```
```bash
$ npm install debug
```
```

## Usage

With `debug` you simply invoke the exported function to generate your debug function, passing it a name which will determine if a noop function is returned, or a decorated `console.error`, so all of the `console` format string goodies you're used to work fine. A unique color is selected per-function for visibility.

Example `_app.js`:

```

```js
var debug = require('debug')('http')
, http = require('http')
, name = 'My App';

// fake app

debug('booting %s', name);

http.createServer(function(req, res){
  debug(req.method + ' ' + req.url);
  res.end('hello\n');
}).listen(3000, function(){
  debug('listening');
});

// fake worker of some kind

require('./worker');
```

```

Example `_worker.js`:

```

```js
var debug = require('debug')('worker');

setInterval(function(){
  debug('doing some work');
}, 1000);
```

```

The `__DEBUG__` environment variable is then used to enable these based on space or comma-delimited names. Here are some examples:

```
![debug http and worker](http://f.cl.ly/items/18471z1H402O24072r1J/Screenshot.png)
```

```
![debug worker](http://f.cl.ly/items/1X413v1a3M0d3C2c1E0i/Screenshot.png)
```

#### Windows note

On Windows the environment variable is set using the ``set`` command.

```

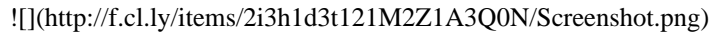
```cmd
set DEBUG=*,-not_this
```

```

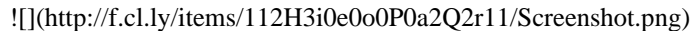
Then, run the program to be debugged as usual.

## ## Millisecond diff

When actively developing an application it can be useful to see when the time spent between one `debug()` call and the next. Suppose for example you invoke `debug()` before requesting a resource, and after as well, the "+NNNms" will show you how much time was spent between calls.



When stdout is not a TTY, `Date#toUTCString()` is used, making it more useful for logging the debug information as shown below:



## ## Conventions

If you're using this in one or more of your libraries, you should use the name of your library so that developers may toggle debugging as desired without guessing names. If you have more than one debuggers you should prefix them with your library name and use ":" to separate features. For example "bodyParser" from Connect would then be "connect:bodyParser".

## ## Wildcards

The `*` character may be used as a wildcard. Suppose for example your library has debuggers named "connect:bodyParser", "connect:compress", "connect:session", instead of listing all three with `DEBUG=connect:bodyParser,connect:compress,connect:session`, you may simply do `DEBUG=connect:*`, or to run everything using this module simply use `DEBUG=*`.

You can also exclude specific debuggers by prefixing them with a "-" character. For example, `DEBUG=*,-connect:*` would include all debuggers except those starting with "connect:".

## ## Browser support

Debug works in the browser as well, currently persisted by `localStorage`. Consider the situation shown below where you have `worker:a` and `worker:b`, and wish to debug both. Somewhere in the code on your page, include:

```
```js
window.myDebug = require("debug");
```
```

("debug" is a global object in the browser so we give this object a different name.) When your page is open in the browser, type the following in the console:

```
```js
myDebug.enable("worker:*")
```
```

Refresh the page. Debug output will continue to be sent to the console until it is disabled by typing

``myDebug.disable()`` in the console.

```
``js
a = debug('worker:a');
b = debug('worker:b');

setInterval(function(){
  a('doing some work');
}, 1000);

setInterval(function(){
  b('doing some work');
}, 1200);
``
```

#### #### Web Inspector Colors

Colors are also enabled on "Web Inspectors" that understand the ``%c`` formatting option. These are WebKit web inspectors, Firefox ([since version 31](<https://hacks.mozilla.org/2014/05/editable-box-model-multiple-selection-sublime-text-keys-much-more-firefox-developer-tools-episode-31/>)) and the Firebug plugin for Firefox (any version).

Colored output looks something like:



#### ### stderr vs stdout

You can set an alternative logging method per-namespace by overriding the ``log`` method on a per-namespace or globally:

Example `_stdout.js`:

```
``js
var debug = require('debug');
var error = debug('app:error');

// by default stderr is used
error('goes to stderr!');

var log = debug('app:log');
// set this namespace to log via console.log
log.log = console.log.bind(console); // don't forget to bind to console!
log('goes to stdout');
error('still goes to stderr!');

// set all output to go via console.info
```

```
// overrides all per-namespace log settings
debug.log = console.info.bind(console);
error('now goes to stdout via console.info');
log('still goes to stdout, but via console.info now');
...

```

### Save debug output to a file

You can save all debug statements to a file by piping them.

Example:

```
```bash
$ DEBUG_FD=3 node your-app.js 3> whatever.log
...

```

## Authors

- TJ Holowaychuk
- Nathan Rajlich

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# 1.67 debuglog 1.0.1

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# 1.68 deep-diff 0.3.4

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# 1.69 delayed-stream 0.0.5

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# 1.70 delayed-stream 1.0.0

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# 1.71 delegates 0.1.0

## 1.71.1 Available under license :

```
# delegates
```

```
Node method and accessor delegation utility.
```

```
## Installation
```

```
...
```

```
$ npm install delegates
```

```
...
```

```
## Example
```

```
```js
```

```
var delegate = require('delegates');
```

```
...
```

```
delegate(proto, 'request')
  .method('acceptsLanguages')
  .method('acceptsEncodings')
  .method('acceptsCharsets')
  .method('accepts')
  .method('is')
  .access('querystring')
  .access('idempotent')
  .access('socket')
  .access('length')
  .access('query')
  .access('search')
  .access('status')
  .access('method')
  .access('path')
  .access('body')
  .access('host')
  .access('url')
  .getter('subdomains')
  .getter('protocol')
  .getter('header')
  .getter('stale')
  .getter('fresh')
  .getter('secure')
  .getter('ips')
```

```
.getter('ip')
````
```

# API

## Delegate(proto, prop)

Creates a delegator instance used to configure using the `prop` on the given `proto` object. (which is usually a prototype)

## Delegate#method(name)

Allows the given method `name` to be accessed on the host.

## Delegate#getter(name)

Creates a "getter" for the property with the given `name` on the delegated object.

## Delegate#setter(name)

Creates a "setter" for the property with the given `name` on the delegated object.

## Delegate#access(name)

Creates an "accessor" (ie: both getter \*and\* setter) for the property with the given `name` on the delegated object.

## Delegate#fluent(name)

A unique type of "accessor" that works for a "fluent" API. When called as a getter, the method returns the expected value. However, if the method is called with a value, it will return itself so it can be chained. For example:

```
```js
delegate(proto, 'request')
  .fluent('query')

// getter
var q = request.query();

// setter (chainable)
request
  .query({ a: 1 })
  .query({ b: 2 });
```
```

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## 1.72 depd 1.0.1

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## 1.73 destroy 1.0.3

### 1.73.1 Available under license :

# Destroy

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[![Build status][travis-image]][travis-url]  
[![Test coverage][coveralls-image]][coveralls-url]  
[![Dependency Status][david-image]][david-url]  
[![License][license-image]][license-url]  
[![Downloads][downloads-image]][downloads-url]  
[![Gittip][gittip-image]][gittip-url]

Destroy a stream.

## API

```

```js
var destroy = require('destroy')

var fs = require('fs')
var stream = fs.createReadStream('package.json')
destroy(stream)
```

[npm-image]: https://img.shields.io/npm/v/destroy.svg?style=flat-square
[npm-url]: https://npmjs.org/package/destroy
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```

## 1.74 dezalgo 1.0.3

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# 1.75 dhcp/bind 4.2.5 :27.el7.centos

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

\* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

\* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

\* `admin/check-style.sh`, `admin/check-style-common.awk`, `admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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```
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#
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#                 dhclient based on DHCP client communication
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#
# Author(s): David Cantrell <dcantrell@redhat.com>
#           Jiri Popelka <jpopelka@redhat.com>
#
# -----
# This script is a rewrite/reworking on dhclient-script originally
# included as part of dhcp-970306:
# dhclient-script for Linux. Dan Halbert, March, 1997.
# Updated for Linux 2.[12] by Brian J. Murrell, January 1999.
# Modified by David Cantrell <dcantrell@redhat.com> for Fedora and RHEL
# -----
#
```

## 1.77 dhcp/dhclient-script 4.2.5 :27.el7.centos

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#           dhclient based on DHCP client communication
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#           Jiri Popelka <jpopelka@redhat.com>
#
# -----
# This script is a rewrite/reworking on dhclient-script originally
# included as part of dhcp-970306:
# dhclient-script for Linux. Dan Halbert, March, 1997.
# Updated for Linux 2.[12] by Brian J. Murrell, January 1999.
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```

## 1.78 dtrace-provider 0.2.8

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# 1.84 escape-html 1.0.1

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```
# escape-html
```

```
Escape HTML entities
```

```
## Example
```

```
```js
var escape = require('escape-html');
escape(str);
```
```

```
## License
```

```
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```

# 1.85 escape-html 1.0.2

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## 1.86 escape-string-regexp 1.0.3

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```
# escape-string-regexp [![Build Status](https://travis-ci.org/sindresorhus/escape-string-regexp.svg?branch=master)](https://travis-ci.org/sindresorhus/escape-string-regexp)
```

> Escape RegExp special characters

```
## Install
```

```
```sh
$ npm install --save escape-string-regexp
```
```

```
## Usage
```

```
```js
var escapeStringRegexp = require('escape-string-regexp');

var escapedString = escapeStringRegexp('how much $ for a unicorn?');
//=> how much \$ for a unicorn\?
```

```
new RegExp(escapedString);
...
```

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## 1.87 esprima 2.2.0

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### Features

- Full support for ECMAScript 5.1 ([ECMA-262](http://www.ecma-international.org/publications/standards/Ecma-262.htm))
- Sensible [syntax tree format](https://github.com/estree/estree/blob/master/spec.md) as standardized by [ESTree project](https://github.com/estree/estree)
- Optional tracking of syntax node location (index-based and line-column)
- Heavily tested (~1000 [unit tests](https://github.com/jquery/esprima/tree/master/test/fixtures) with [full code coverage](https://travis-ci.org/jquery/esprima))
- [Partial support](https://github.com/jquery/esprima/issues/1099) for ECMAScript 6

Esprima serves as a **building block** for some JavaScript language tools, from [code instrumentation](http://esprima.org/demo/functiontrace.html) to [editor autocompletion](http://esprima.org/demo/autocomplete.html).

Esprima runs on many popular web browsers, as well as other ECMAScript platforms such as [Rhino](http://www.mozilla.org/rhino), [Nashorn](http://openjdk.java.net/projects/nashorn/), and [Node.js](https://npmjs.org/package/esprima).

For more information, check the web site [esprima.org](http://esprima.org).

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# 1.91 expat\_PrintPath 2.1.0 :8.e17

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## 1.97 formidable 1.0.11

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# Formidable

[![Build Status](https://secure.travis-ci.org/felixge/node-formidable.png?branch=master)](http://travis-ci.org/felixge/node-formidable)



## ## Purpose

A node.js module for parsing form data, especially file uploads.

## ## Current status

This module was developed for [Transloadit](http://transloadit.com/), a service focused on uploading and encoding images and videos. It has been battle-tested against hundreds of GB of file uploads from a large variety of clients and is considered production-ready.

## ## Features

- \* Fast (~500mb/sec), non-buffering multipart parser
- \* Automatically writing file uploads to disk
- \* Low memory footprint
- \* Graceful error handling
- \* Very high test coverage

## ## Changelog

### ### v1.0.9

- \* Emit progress when content length header parsed (Tim Koschützki)
- \* Fix Readme syntax due to GitHub changes (goob)
- \* Replace references to old 'sys' module in Readme with 'util' (Peter Sugihara)

### ### v1.0.8

- \* Strip potentially unsafe characters when using `keepExtensions: true`.
- \* Switch to utest / urun for testing
- \* Add travis build

### ### v1.0.7

- \* Remove file from package that was causing problems when installing on windows. (#102)
- \* Fix typos in Readme (Jason Davies).

### ### v1.0.6

- \* Do not default to the default to the field name for file uploads where filename="".

### ### v1.0.5

- \* Support filename="" in multipart parts
- \* Explain unexpected end() errors in parser better

\*\*Note:\*\* Starting with this version, formidable emits 'file' events for empty

file input fields. Previously those were incorrectly emitted as regular file input fields with value = "".

#### ### v1.0.4

- \* Detect a good default tmp directory regardless of platform. (#88)

#### ### v1.0.3

- \* Fix problems with utf8 characters (#84) / semicolons in filenames (#58)
- \* Small performance improvements
- \* New test suite and fixture system

#### ### v1.0.2

- \* Exclude node\\_modules folder from git
- \* Implement new ``aborted`` event
- \* Fix files in example folder to work with recent node versions
- \* Make gently a devDependency

[See Commits](<https://github.com/felixge/node-formidable/compare/v1.0.1...v1.0.2>)

#### ### v1.0.1

- \* Fix package.json to refer to proper main directory. (#68, Dean Landolt)

[See Commits](<https://github.com/felixge/node-formidable/compare/v1.0.0...v1.0.1>)

#### ### v1.0.0

- \* Add support for multipart boundaries that are quoted strings. (Jeff Craig)

This marks the beginning of development on version 2.0 which will include several architectural improvements.

[See Commits](<https://github.com/felixge/node-formidable/compare/v0.9.11...v1.0.0>)

#### ### v0.9.11

- \* Emit ``progress`` event when receiving data, regardless of parsing it. (Tim Koschützki)
- \* Use [W3C FileAPI Draft](<http://dev.w3.org/2006/webapi/FileAPI/>) properties for File class

**\*\*Important:\*\*** The old property names of the File class will be removed in a future release.

[See Commits](<https://github.com/felixge/node-formidable/compare/v0.9.10...v0.9.11>)

#### ### Older releases

These releases were done before starting to maintain the above Changelog:

- \* [v0.9.10](https://github.com/felixge/node-formidable/compare/v0.9.9...v0.9.10)
- \* [v0.9.9](https://github.com/felixge/node-formidable/compare/v0.9.8...v0.9.9)
- \* [v0.9.8](https://github.com/felixge/node-formidable/compare/v0.9.7...v0.9.8)
- \* [v0.9.7](https://github.com/felixge/node-formidable/compare/v0.9.6...v0.9.7)
- \* [v0.9.6](https://github.com/felixge/node-formidable/compare/v0.9.5...v0.9.6)
- \* [v0.9.5](https://github.com/felixge/node-formidable/compare/v0.9.4...v0.9.5)
- \* [v0.9.4](https://github.com/felixge/node-formidable/compare/v0.9.3...v0.9.4)
- \* [v0.9.3](https://github.com/felixge/node-formidable/compare/v0.9.2...v0.9.3)
- \* [v0.9.2](https://github.com/felixge/node-formidable/compare/v0.9.1...v0.9.2)
- \* [v0.9.1](https://github.com/felixge/node-formidable/compare/v0.9.0...v0.9.1)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.9.0](https://github.com/felixge/node-formidable/compare/v0.8.0...v0.9.0)
- \* [v0.1.0](https://github.com/felixge/node-formidable/commits/v0.1.0)

## ## Installation

Via [npm](http://github.com/isaacs/npm):

```
npm install formidable@latest
```

Manually:

```
git clone git://github.com/felixge/node-formidable.git formidable
vim my.js
# var formidable = require('./formidable');
```

Note: Formidable requires [gently](http://github.com/felixge/node-gently) to run the unit tests, but you won't need it for just using the library.

## ## Example

Parse an incoming file upload.

```
var formidable = require('formidable'),
    http = require('http'),

    util = require('util');

http.createServer(function(req, res) {
```

```

if (req.url == '/upload' && req.method.toLowerCase() == 'post') {
  // parse a file upload
  var form = new formidable.IncomingForm();
  form.parse(req, function(err, fields, files) {
    res.writeHead(200, {'content-type': 'text/plain'});
    res.write('received upload:\n\n');
    res.end(util.inspect({ fields: fields, files: files }));
  });
  return;
}

// show a file upload form
res.writeHead(200, {'content-type': 'text/html'});
res.end(
  '<form action="/upload" enctype="multipart/form-data" method="post">'+
  '<input type="text" name="title"><br>'+
  '<input type="file" name="upload" multiple="multiple"><br>'+
  '<input type="submit" value="Upload">'+
  '</form>'
);
}).listen(80);

```

## ## API

### ### formidable.IncomingForm

`__new formidable.IncomingForm()`

Creates a new incoming form.

`__incomingForm.encoding = 'utf-8'`

The encoding to use for incoming form fields.

`__incomingForm.uploadDir = process.env.TMP || '/tmp' || process.cwd()`

The directory for placing file uploads in. You can move them later on using ``fs.rename()``. The default directory is picked at module load time depending on the first existing directory from those listed above.

`__incomingForm.keepExtensions = false`

If you want the files written to ``incomingForm.uploadDir`` to include the extensions of the original files, set this property to ``true``.

`__incomingForm.type`

Either 'multipart' or 'urlencoded' depending on the incoming request.

`__incomingForm.maxFieldsSize = 2 * 1024 * 1024__`

Limits the amount of memory a field (not file) can allocate in bytes. If this value is exceeded, an ``error`` event is emitted. The default size is 2MB.

`__incomingForm.hash = false__`

If you want checksums calculated for incoming files, set this to either ``sha1`` or ``md5``.

`__incomingForm.bytesReceived__`

The amount of bytes received for this form so far.

`__incomingForm.bytesExpected__`

The expected number of bytes in this form.

`__incomingForm.parse(request, [cb])__`

Parses an incoming node.js ``request`` containing form data. If ``cb`` is provided, all fields and files are collected and passed to the callback:

```
incomingForm.parse(req, function(err, fields, files) {  
  // ...  
});
```

`__incomingForm.onPart(part)__`

You may overwrite this method if you are interested in directly accessing the multipart stream. Doing so will disable any ``field`` / ``file`` events processing which would occur otherwise, making you fully responsible for handling the processing.

```
incomingForm.onPart = function(part) {  
  part.addListener('data', function() {  
    // ...  
  });  
}
```

If you want to use formidable to only handle certain parts for you, you can do so:

```
incomingForm.onPart = function(part) {  
  if (!part.filename) {  
    // let formidable handle all non-file parts  
    incomingForm.handlePart(part);  
  }  
}
```

Check the code in this method for further inspiration.

`__Event: 'progress' (bytesReceived, bytesExpected)__`

Emitted after each incoming chunk of data that has been parsed. Can be used to roll your own progress bar.

`__Event: 'field' (name, value)__`

Emitted whenever a field / value pair has been received.

`__Event: 'fileBegin' (name, file)__`

Emitted whenever a new file is detected in the upload stream. Use this even if you want to stream the file to somewhere else while buffering the upload on the file system.

`__Event: 'file' (name, file)__`

Emitted whenever a field / file pair has been received. ``file`` is an instance of ``File``.

`__Event: 'error' (err)__`

Emitted when there is an error processing the incoming form. A request that experiences an error is automatically paused, you will have to manually call ``request.resume()`` if you want the request to continue firing ``data`` events.

`__Event: 'aborted'__`

Emitted when the request was aborted by the user. Right now this can be due to a `'timeout'` or `'close'` event on the socket. In the future there will be a separate `'timeout'` event (needs a change in the node core).

`__Event: 'end' ()__`

Emitted when the entire request has been received, and all contained files have finished flushing to disk. This is a great place for you to send your response.

`### formidable.File`

`__file.size = 0__`

The size of the uploaded file in bytes. If the file is still being uploaded (see ``fileBegin`` event), this property says how many bytes of the file have been written to disk yet.

`__file.path = null__`

The path this file is being written to. You can modify this in the ``fileBegin`` event in case you are unhappy with the way formidable generates a temporary path for your files.

\_\_file.name = null\_\_

The name this file had according to the uploading client.

\_\_file.type = null\_\_

The mime type of this file, according to the uploading client.

\_\_file.lastModifiedDate = null\_\_

A date object (or `null`) containing the time this file was last written to. Mostly here for compatibility with the [W3C File API Draft](http://dev.w3.org/2006/webapi/FileAPI/).

\_\_file.hash = null\_\_

If hash calculation was set, you can read the hex digest out of this var.

## License

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## Ports

\* [multipart-parser](http://github.com/FooBarWidget/multipart-parser): a C++ parser based on formidable

## Credits

\* [Ryan Dahl](http://twitter.com/ryah) for his work on [http-parser](http://github.com/ry/http-parser) which heavily inspired multipart\_parser.js

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"author": "Mikeal Rogers <mikeal.rogers@gmail.com> (<http://www.mikealrogers.com>)",

"url": "git://github.com/mikeal/framework.git"

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"author": "TJ Holowaychuk <tj@vision-media.ca> (<http://tjholowaychuk.com>)",

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## 1.103 fresh 0.2.2

### 1.103.1 Available under license :

```
# node-fresh
```

```
HTTP response freshness testing
```

```
## fresh(req, res)
```

```
Check freshness of `req` and `res` headers.
```

```
When the cache is "fresh" __true__ is returned,  
otherwise __false__ is returned to indicate that
```

the cache is now stale.

## Example:

```
```js
var req = { 'if-none-match': 'tobi' };
var res = { 'etag': 'luna' };
fresh(req, res);
// => false
```

```
var req = { 'if-none-match': 'tobi' };
var res = { 'etag': 'tobi' };
fresh(req, res);
// => true
```
```

## Installation

```
```
$ npm install fresh
```
```

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# 1.105 fstream 1.0.7

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## 1.106 gauge 1.2.2

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## 1.107 generate-function 2.0.0

### 1.107.1 Available under license :

```
# generate-function
```

Module that helps you write generated functions in Node

```
...
```

```
npm install generate-function
```

```
...
```

```
[![build status](http://img.shields.io/travis/mafintosh/generate-function.svg?style=flat)](http://travis-
```

ci.org/mafintosh/generate-function)

## Disclaimer

Writing code that generates code is hard.

You should only use this if you really, really, really need this for performance reasons (like schema validators / parsers etc).

## Usage

```
``` js
var genfun = require('generate-function')

var addNumber = function(val) {
  var fn = genfun()
  ('function add(n) {')
    ('return n + %d', val) // supports format strings to insert values
  ('}')

  return fn.toFunction() // will compile the function
}

var add2 = addNumber(2)

console.log('1+2=', add2(1))
console.log(add2.toString()) // prints the generated function
```
```

If you need to close over variables in your generated function pass them to `toFunction(scope)`

```
``` js
var multiply = function(a, b) {
  return a * b
}

var addAndMultiplyNumber = function(val) {
  var fn = genfun()
  ('function(n) {')
    ('if (typeof n !== "number") {') // ending a line with { will indent the source
      ('throw new Error("argument should be a number")')
    ('}')
    ('var result = multiply(%d, n+%d)', val, val)
  ('return result')
  ('}')

  // use fn.toString() if you want to see the generated source

  return fn.toFunction({
```

```
    multiply: multiply
  })
}

var addAndMultiply2 = addAndMultiplyNumber(2)

console.log('(3 + 2) * 2 =', addAndMultiply2(3))
...

```

## Related

See [generate-object-property](<https://github.com/mafintosh/generate-object-property>) if you need to safely generate code that can be used to reference an object property

## License

MIT

## 1.108 generate-object-property 1.2.0

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# 1.110 github-url-from-username-repo 1.0.2

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## 1.111 glob 6.0.4

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## 1.112 glob 5.0.14

### 1.112.1 Available under license :

```
{
  "author": "Isaac Z. Schlueter <i@izs.me> (http://blog.izs.me/)",
  "name": "glob",
  "description": "a little globber",
  "version": "5.0.14",
  "repository": {
    "type": "git",
    "url": "git://github.com/isaacs/node-glob.git"
  },
  "main": "glob.js",
  "files": [
    "glob.js",
    "sync.js",
```



```

    "common.js"
  ],
  "engines": {
    "node": "*"
  },
  "dependencies": {
    "inflight": "^1.0.4",
    "inherits": "2",
    "minimatch": "^2.0.1",
    "once": "^1.3.0",
    "path-is-absolute": "^1.0.0"
  },
  "devDependencies": {
    "mkdirp": "0",
    "rimraf": "^2.2.8",
    "tap": "^1.1.4",
    "tick": "0.0.6"
  },
  "scripts": {
    "prepublish": "npm run benchclean",
    "profclean": "rm -f v8.log profile.txt",
    "test": "tap test/*.js --cov",
    "test-regen": "npm run profclean && TEST_REGEN=1 node test/00-setup.js",
    "bench": "bash benchmark.sh",
    "prof": "bash prof.sh && cat profile.txt",
    "benchclean": "node benchclean.js"
  },
  "license": "ISC"
}

```

## 1.113 gmp\_GPLv3 5.1.1 :5.el7

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Version 3, 29 June 2007

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## 1.114 go 1.7.1

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# 1.115 gobject-introspection\_LGPLv2 1.36.0 :4.e17

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## 1.116 gpgme\_docs 1.3.2 :5.el7

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data

structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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```
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@section TERMS AND CONDITIONS
@end iftex
@ifinfo
@center TERMS AND CONDITIONS
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@enumerate 0
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```

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```

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```
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```

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## 1.118 graceful-fs 3.0.8

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# 1.120 graceful-readlink 1.0.1

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## 1.121 gyp 0.1 :0.11.1617svn.el7

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## 1.122 har-validator 1.8.0

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```
# HAR Validator [![version][npm-version]][npm-url] [![License][npm-license]][license-url]
```

Extremely fast HTTP Archive ([HAR](http://www.softwareishard.com/blog/har-12-spec/)) validator using JSON Schema.

```
[![Build Status][travis-image]][travis-url]
[![Downloads][npm-downloads]][npm-url]
[![Code Climate][codeclimate-quality]][codeclimate-url]
[![Coverage Status][codeclimate-coverage]][codeclimate-url]
[![Dependencies][david-image]][david-url]
```

```
## Install
```

```
```shell
# to use in cli
npm install --global har-validator
```

```
# to use as a module
npm install --save har-validator
```
```

```
## Usage
```

```
...
```

```
Usage: har-validator [options] <files ...>
```

```
Options:
```

```
-h, --help      output usage information
-V, --version   output the version number
-s, --schema [name] validate schema name (log, request, response, etc ...)
```

```
...
```

```
##### Example
```

```
```shell
har-validator har.json

har-validator --schema request request.json
```
```

```
## API
```

```
### Validate(data [, callback])
```

Returns `true` or `false`.

- **\*\*data\*\***: `Object` \*(Required)\*  
a full [HAR](http://www.softwareishard.com/blog/har-12-spec/) object

- **\*\*callback\*\***: `Function`  
gets two arguments (err, valid)

```
```js
var HAR = require('./har.json');
var validate = require('har-validator');
```

```
validate(HAR, function (e, valid) {
  if (e) console.log(e.errors)
```

```
  if (valid) console.log('horray!');
});
```
```

```
### Validate.log(data [, callback])
```

Returns `true` or `false`.

- **\*\*data\*\***: `Object` \*(Required)\*  
a [log](http://www.softwareishard.com/blog/har-12-spec/#log) object

- **\*\*callback\*\***: `Function`  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');
```

```
validate.log(data, function (e, valid) {
  if (e) console.log(e.errors)
```

```
});
```
```

```
### Validate.cache(data [, callback])
```

Returns `true` or `false`.

- **\*\*data\*\***: `Object` \*(Required)\*  
a [cache](http://www.softwareishard.com/blog/har-12-spec/#cache) object

- **\*\*callback\*\***: `Function`  
gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.cache(data, function (e, valid) {  
  if (e) console.log(e.errors)  
});  
...
```

```
### Validate.cacheEntry(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*

a ["beforeRequest" or "afterRequest"](<http://www.softwareishard.com/blog/har-12-spec/#cache>) objects

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.cacheEntry(data, function (e, valid) {  
  if (e) console.log(e.errors)  
});  
...
```

```
### Validate.content(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*

a [content](<http://www.softwareishard.com/blog/har-12-spec/#content>) object

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.content(data, function (e, valid) {  
  if (e) console.log(e.errors)  
});  
...
```

```
### Validate.cookie(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*

a [cookie](http://www.softwareishard.com/blog/har-12-spec/#cookies) object

- **callback**: `Function``  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.cookie(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

### Validate.creator(data [, callback])

Returns `true`` or `false``.

- **data**: `Object` *(Required)*`  
a [creator](http://www.softwareishard.com/blog/har-12-spec/#creator) object

- **callback**: `Function``  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.creator(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

### Validate.entry(data [, callback])

Returns `true`` or `false``.

- **data**: `Object` *(Required)*`  
an [entry](http://www.softwareishard.com/blog/har-12-spec/#entries) object

- **callback**: `Function``  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.entry(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

```
### Validate.log(data [, callback])
```

alias of [`Validate(data [, callback])`](#validate-data-callback-)

```
### Validate.page(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` *(Required)*\*

a [page](http://www.softwareishard.com/blog/har-12-spec/#pages) object

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.page(data, function (e, valid) {
```

```
  if (e) console.log(e.errors)
```

```
});
```

```
```
```

```
### Validate.pageTimings(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` *(Required)*\*

a [pageTimings](http://www.softwareishard.com/blog/har-12-spec/#pageTimings) object

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.pageTimings(data, function (e, valid) {
```

```
  if (e) console.log(e.errors)
```

```
});
```

```
```
```

```
### Validate.postData(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` *(Required)*\*

a [postData](http://www.softwareishard.com/blog/har-12-spec/#postData) object

- **callback**: `Function`  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.postData(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

### Validate.record(data [, callback])

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*  
a [record](http://www.softwareishard.com/blog/har-12-spec/#headers) object

- **callback**: `Function`  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.record(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

### Validate.request(data [, callback])

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*  
a [request](http://www.softwareishard.com/blog/har-12-spec/#request) object

- **callback**: `Function`  
gets two arguments (err, valid)

```
```js
var validate = require('har-validator');

validate.request(data, function (e, valid) {
  if (e) console.log(e.errors)
});
```
```

### Validate.response(data [, callback])

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*

a [response](http://www.softwareishard.com/blog/har-12-spec/#response) object

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.cacheEntry(data, function (e, valid) {
```

```
  if (e) console.log(e.errors)
```

```
});
```

```
```
```

```
### Validate.timings(data [, callback])
```

Returns `true` or `false`.

- **data**: `Object` \*(Required)\*

a [timings](http://www.softwareishard.com/blog/har-12-spec/#timings) object

- **callback**: `Function`

gets two arguments (err, valid)

```
```js
```

```
var validate = require('har-validator');
```

```
validate.timings(data, function (e, valid) {
```

```
  if (e) console.log(e.errors)
```

```
});
```

```
```
```

```
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```

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```
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```

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[bitcoin-url]: <https://www.coinbase.com/checkouts/ae383ae6bb931a2fa5ad11cec115191e?name=har-validator>

## 1.123 has-ansi 2.0.0

### 1.123.1 Available under license :

```
# has-ansi [![Build Status](https://travis-ci.org/sindresorhus/has-ansi.svg?branch=master)](https://travis-ci.org/sindresorhus/has-ansi)
```

```
> Check if a string has [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)
```

```
## Install
```

```
...
```

```
$ npm install --save has-ansi
```

```
...
```

## ## Usage

```
```js
var hasAnsi = require('has-ansi');

hasAnsi('\u001b[4mcake\u001b[0m');
//=> true

hasAnsi('cake');
//=> false
```
```

## ## Related

- [has-ansi-cli](<https://github.com/sindresorhus/has-ansi-cli>) - CLI for this module
- [strip-ansi](<https://github.com/sindresorhus/strip-ansi>) - Strip ANSI escape codes
- [ansi-regex](<https://github.com/sindresorhus/ansi-regex>) - Regular expression for matching ANSI escape codes
- [chalk](<https://github.com/sindresorhus/chalk>) - Terminal string styling done right

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# 1.124 has-unicode 1.0.0

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## 1.129 hosted-git-info 2.1.4

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## 1.130 http-errors 1.3.1

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## 1.131 http-parser 2.0

**:4.20121128gitcd01361.e17**

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## 1.133 http\_parser.rb 0.6.0

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## 1.138 ini 1.3.4

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```
{
  "author": "Isaac Z. Schlueter <i@izs.me> (http://blog.izs.me/)",
  "name": "ini",
  "description": "An ini encoder/decoder for node",
  "version": "1.3.4",
  "repository": {
    "type": "git",
    "url": "git://github.com/isaacs/ini.git"
  },
  "main": "ini.js",
  "scripts": {
    "test": "tap test/*.js"
  },
  "engines": {
    "node": "*"
  },
  "dependencies": {},
  "devDependencies": {
    "tap": "^1.2.0"
  },
  "license": "ISC",
  "files": [
    "ini.js"
  ]
}
```

## 1.139 is-absolute 0.1.7

### 1.139.1 Available under license :

# is-absolute [![NPM version](https://badge.fury.io/js/is-absolute.svg)](http://badge.fury.io/js/is-absolute) [![Build Status](https://travis-ci.org/jonschlinkert/is-absolute.svg)](https://travis-ci.org/jonschlinkert/is-absolute)

> Return true if a file path is absolute.

Based on the `isAbsolute` utility method in [express](<https://github.com/visionmedia/express>).

```
## Install with [npm](npmjs.org)
```

```
```bash
npm i is-absolute --save
```
```

```
## Usage
```

```
```js
var isAbsolute = require('is-absolute');
console.log(isAbsolute('a/b/c.js'));
//=> 'false';
```
```

```
## Running tests
```

Install dev dependencies.

```
```bash
npm i -d && npm test
```
```

```
## Contributing
```

Pull requests and stars are always welcome. For bugs and feature requests, [please create an issue](<https://github.com/jonschlinkert/is-absolute/issues>)

```
## Other projects
```

- \* [is-relative](<https://github.com/jonschlinkert/is-relative>): Returns `true` if the path appears to be relative.
- \* [is-dotfile](<https://github.com/regexps/is-dotfile>): Return true if a file path is (or has) a dotfile.
- \* [is-glob](<https://github.com/jonschlinkert/is-glob>): Returns `true` if the given string looks like a glob pattern.
- \* [cwd](<https://github.com/jonschlinkert/cwd>): Node.js util for easily getting the current working directory of a project based on package.json or the given path.
- \* [git-config-path](<https://github.com/jonschlinkert/git-config-path>): Resolve the path to the user's global .gitconfig.

```
## Author
```

```
**Jon Schlinkert**
```

```
+ [github/jonschlinkert](https://github.com/jonschlinkert)
+ [twitter/jonschlinkert](http://twitter.com/jonschlinkert)
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## 1.140 is-my-json-valid 2.12.1

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## 1.141 is-property 1.0.2

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-----

## 1.146 jju 1.2.0

### 1.146.1 Available under license :

```
{ "name": "jjv", "version": "1.2.0", "description": "a set of utilities to work with JSON / JSON5 documents", "author": { "name": "Alex Kocharin", "email": "alex@kocharin.ru" }, "repository": { "type": "git", "url": "git://github.com/rldwka/jju" }, "bugs": { "url": "https://github.com/rldwka/jju/issues" }, "homepage": "http://rldwka.github.io/jju/", "devDependencies": { "mocha": ">=1.21.0", "js-yaml": ">=3.1.0", "eslint": "~0.4.2" }, "scripts": { "test": "mocha test/*.js", "lint": "eslint -c ./eslint.yaml ./lib" }, "keywords": [ "json", "json5", "parser", "serializer", "data" ], "publishConfig": { "registry": "https://registry.npmjs.org/" }, "license": { "type": "WTFPL", "url": "http://www.wtfpl.net/txt/copying/" } }
```

## 1.147 jq 1.5 :1.e17

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`g_fmt.c`:

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## 1.148 js-yaml 3.8.1

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## 1.149 js-yaml 3.4.0

### 1.149.1 Available under license :

JS-YAML - YAML 1.2 parser and serializer for JavaScript

=====

[![Build Status](https://travis-ci.org/nodeca/js-yaml.svg?branch=master)](https://travis-ci.org/nodeca/js-yaml)  
[![NPM version](https://img.shields.io/npm/v/js-yaml.svg)](https://www.npmjs.org/package/js-yaml)

[Online Demo](http://nodeca.github.com/js-yaml/)

This is an implementation of [YAML](http://yaml.org/), a human friendly data serialization language. Started as [PyYAML](http://pyyaml.org/) port, it was completely rewritten from scratch. Now it's very fast, and supports 1.2 spec.

## Installation

-----

```
### YAML module for node.js
```

```
---
```

```
npm install js-yaml
```

```
---
```

```
### CLI executable
```

If you want to inspect your YAML files from CLI, install js-yaml globally:

```
---
```

```
npm install -g js-yaml
```

```
---
```

```
#### Usage
```

```
---
```

```
usage: js-yaml [-h] [-v] [-c] [-t] file
```

Positional arguments:

file      File with YAML document(s)

Optional arguments:

-h, --help    Show this help message and exit.

-v, --version Show program's version number and exit.

-c, --compact Display errors in compact mode

-t, --trace   Show stack trace on error

```
---
```

```
### Bundled YAML library for browsers
```

```
``` html
```

```
<!-- esprima required only for !js/function -->
```

```
<script src="esprima.js"></script>
```

```
<script src="js-yaml.min.js"></script>
```

```
<script type="text/javascript">
var doc = jsyaml.load('greeting: hello\nname: world');
</script>
---
```

Browser support was done mostly for online demo. If you find any errors - feel free to send pull requests with fixes. Also note, that IE and other old browsers needs [es5-shims](<https://github.com/krisKowal/es5-shim>) to operate.

Notes:

1. We have no resources to support browserified version. Don't expect it to be well tested. Don't expect fast fixes if something goes wrong there.
2. `!!js/function` in browser bundle will not work by default. If you really need it - load `esprima` parser first (via amd or directly).
3. `!!bin` in browser will return `Array`, because browsers do not support node.js `Buffer` and adding Buffer shims is completely useless on practice.

API

---

Here we cover the most 'useful' methods. If you need advanced details (creating your own tags), see [wiki](<https://github.com/nodeca/js-yaml/wiki>) and [examples](<https://github.com/nodeca/js-yaml/tree/master/examples>) for more info.

```
``` javascript
yaml = require('js-yaml');
fs = require('fs');

// Get document, or throw exception on error
try {
  var doc = yaml.safeLoad(fs.readFileSync('/home/ixti/example.yml', 'utf8'));
  console.log(doc);
} catch (e) {
  console.log(e);
}
```
```

### safeLoad (string [ , options ])

**\*\*Recommended loading way.\*\*** Parses `string` as single YAML document. Returns a JavaScript object or throws `YAMLError` on error. By default, does not support regexps, functions and undefined. This method is safe for untrusted data.

options:

- ``filename` _(default: null)_` - string to be used as a file path in error/warning messages.
- ``onWarning` _(default: null)_` - function to call on warning messages. Loader will throw on warnings if this function is not provided.
- ``schema` _(default: `DEFAULT_SAFE_SCHEMA`)_` - specifies a schema to use.
  - ``FAILSAFE_SCHEMA`` - only strings, arrays and plain objects: <http://www.yaml.org/spec/1.2/spec.html#id2802346>
  - ``JSON_SCHEMA`` - all JSON-supported types: <http://www.yaml.org/spec/1.2/spec.html#id2803231>
  - ``CORE_SCHEMA`` - same as ``JSON_SCHEMA``: <http://www.yaml.org/spec/1.2/spec.html#id2804923>
  - ``DEFAULT_SAFE_SCHEMA`` - all supported YAML types, without unsafe ones (``!!js/undefined``, ``!!js/regexp`` and ``!!js/function``): <http://yaml.org/type/>
  - ``DEFAULT_FULL_SCHEMA`` - all supported YAML types.

NOTE: This function **does not** understand multi-document sources, it throws exception on those.

NOTE: JS-YAML **does not** support schema-specific tag resolution restrictions. So, JSON schema is not as strict as defined in the YAML specification. It allows numbers in any notation, use ``Null`` and ``NULL`` as ``null``, etc. Core schema also has no such restrictions. It allows binary notation for integers.

```
### load (string [ , options ])
```

**Use with care with untrusted sources**. The same as ``safeLoad()`` but uses ``DEFAULT_FULL_SCHEMA`` by default - adds some JavaScript-specific types: ``!!js/function``, ``!!js/regexp`` and ``!!js/undefined``. For untrusted sources you must additionally validate object structure, to avoid injections:

```
``` javascript
var untrusted_code = "toString": !<tag:yaml.org,2002:js/function> "function (){very_evil_thing();}";

// I'm just converting that string, what could possibly go wrong?
require('js-yaml').load(untrusted_code) + "
```
```

```
### safeLoadAll (string, iterator [ , options ])
```

Same as ``safeLoad()``, but understands multi-document sources and apply ``iterator`` to each document.

```
``` javascript
var yaml = require('js-yaml');
```

```

yaml.safeLoadAll(data, function (doc) {
  console.log(doc);
});
...

```

```

### loadAll (string, iterator [ , options ])

```

Same as `safeLoadAll()` but uses `DEFAULT\_FULL\_SCHEMA` by default.

```

### safeDump (object [ , options ])

```

Serializes `object` as YAML document. Uses `DEFAULT\_SAFE\_SCHEMA`, so it will throw exception if you try to dump regexps or functions. However, you can disable exceptions by `skipInvalid` option.

options:

- `indent` \_(default: 2)\_ - indentation width to use (in spaces).
- `skipInvalid` \_(default: false)\_ - do not throw on invalid types (like function in the safe schema) and skip pairs and single values with such types.
- `flowLevel` (default: -1) - specifies level of nesting, when to switch from block to flow style for collections. -1 means block style everywhere
- `styles` - "tag" => "style" map. Each tag may have own set of styles.
- `schema` \_(default: `DEFAULT\_SAFE\_SCHEMA`)\_ specifies a schema to use.
- `sortKeys` \_(default: `false`)\_ - if `true`, sort keys when dumping YAML. If a function, use the function to sort the keys.

styles:

```

... none
!!null
"canonical" => "~"

!!int
"binary"   => "0b1", "0b101010", "0b1110001111010"
"octal"    => "01", "052", "016172"
"decimal"  => "1", "42", "7290"
"hexadecimal" => "0x1", "0x2A", "0x1C7A"

!!null, !!bool, !!float
"lowercase" => "null", "true", "false", ".nan", '.inf'
"uppercase" => "NULL", "TRUE", "FALSE", ".NAN", '.INF'
"camelcase" => "Null", "True", "False", ".NaN", '.Inf'
...

```

By default, `!!int` uses ``decimal``, and `!!null`, `!!bool`, `!!float` use ``lowercase``.

```
### dump (object [ , options ])
```

Same as ``safeDump()`` but without limits (uses ``DEFAULT_FULL_SCHEMA`` by default).

Supported YAML types

-----

The list of standard YAML tags and corresponding JavaScript types. See also [YAML tag discussion](<http://pyyaml.org/wiki/YAMLTAGDiscussion>) and [YAML types repository](<http://yaml.org/type/>).

```

```
!!null "          # null
!!bool 'yes'      # bool
!!int '3...'      # number
!!float '3.14...' # number
!!binary '...base64...' # buffer
!!timestamp 'YYYY-...' # date
!!omap [ ... ]    # array of key-value pairs
!!pairs [ ... ]   # array or array pairs
!!set { ... }     # array of objects with given keys and null values
!!str '...'       # string
!!seq [ ... ]     # array
!!map { ... }     # object
```

```

**\*\*JavaScript-specific tags\*\***

```

```
!!js/regexp /pattern/gim    # RegExp
!!js/undefined "            # Undefined
!!js/function 'function () {...}' # Function
```

```

Caveats

-----

Note, that you use arrays or objects as key in JS-YAML. JS do not allows objects or array as keys, and stringifies (by calling `.toString` method) them at the moment of adding them.

```
``` yaml
```

---

```

? [ foo, bar ]
: - baz
? { foo: bar }
: - baz
- baz
```

``` javascript
{ "foo,bar": ["baz"], "[object Object]": ["baz", "baz"] }
```

```

Also, reading of properties on implicit block mapping keys is not supported yet. So, the following YAML document cannot be loaded.

```

``` yaml
&anchor foo:
foo: bar
*anchor: duplicate key
baz: bat
*anchor: duplicate key
```

```

Breaking changes in 2.x.x -> 3.x.x

-----

If you have not used `__custom__` tags or loader classes and not loaded yaml files via `require()` - no changes needed. Just upgrade library.

In other case, you should:

1. Replace all occurrences of `require('xxx.yaml')` by `fs.readFileSync() + yaml.safeLoad()`.
2. rewrite your custom tags constructors and custom loader classes, to conform new API. See [\[examples\]\(https://github.com/nodeca/js-yaml/tree/master/examples\)](https://github.com/nodeca/js-yaml/tree/master/examples) and [\[wiki\]\(https://github.com/nodeca/js-yaml/wiki\)](https://github.com/nodeca/js-yaml/wiki) for details.

License

-----

View the [\[LICENSE\]\(https://github.com/nodeca/js-yaml/blob/master/LICENSE\)](https://github.com/nodeca/js-yaml/blob/master/LICENSE) file (MIT).

# 1.150 json-parse-helpfulerror 1.0.3

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# 1.151 json-stringify-safe 5.0.1

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# 1.152 json5 0.4.0

## 1.152.1 Available under license :

[![Build Status](https://travis-ci.org/aseemk/json5.png)](https://travis-ci.org/aseemk/json5)

# JSON5 â Modern JSON

JSON is an excellent data format, but we think it can be better.

**JSON5** is a proposed extension to **JSON** that aims to make it easier for humans to write and maintain by hand. It does this by adding some minimal syntax features directly from ECMAScript 5.

JSON5 remains a **strict subset of JavaScript**, adds **no new data types**, and **works with all existing JSON content**.

JSON5 is **not** an official successor to JSON, and JSON5 content may **not** work with existing JSON parsers. For this reason, JSON5 files use a new `.json5` extension. *(TODO: new MIME type needed too.)*

The code here is a **reference JavaScript implementation** for both `Node.js` and all browsers. It's based directly off of Douglas Crockford's own [JSON implementation][`json_parse.js`], and it's both robust and secure.

## Why

JSON isn't the friendliest to **write**. Keys need to be quoted, objects and arrays can't have trailing commas, and comments aren't allowed â even though none of these are the case with regular JavaScript today.

That was fine when JSON's goal was to be a great data format, but JSON's usage has expanded beyond **machines**. JSON is now used for writing [`configs`][`ex1`], [`manifests`][`ex2`], even [`tests`][`ex3`] â all by **humans**.

[`ex1`]: <http://plovr.com/docs.html>

[`ex2`]: <http://npmjs.org/doc/json.html>

[`ex3`]: <http://code.google.com/p/fuzztester/wiki/JSONFileFormat>

There are other formats that are human-friendlier, like YAML, but changing from JSON to a completely different format is undesirable in many cases. JSON5's aim is to remain close to JSON and JavaScript.

## Features

The following is the exact list of additions to JSON's syntax introduced by JSON5. **All of these are optional**, and **all of these come from ES5**.

### ### Objects

- Object keys can be unquoted if they're valid [identifiers][mdn\_variables]. Yes, even reserved keywords (like `default`) are valid unquoted keys in ES5 [[§11.1.5](http://es5.github.com/#x11.1.5), [§7.6](http://es5.github.com/#x7.6)].

*(TODO: Unicode characters and escape sequences aren't yet supported in this implementation.)*

- Objects can have trailing commas.

[mdn\_variables]: [https://developer.mozilla.org/en/Core\\_JavaScript\\_1.5\\_Guide/Core\\_Language\\_Features#Variables](https://developer.mozilla.org/en/Core_JavaScript_1.5_Guide/Core_Language_Features#Variables)

### ### Arrays

- Arrays can have trailing commas.

### ### Strings

- Strings can be single-quoted.
- Strings can be split across multiple lines; just prefix each newline with a backslash. [ES5 [§7.8.4](http://es5.github.com/#x7.8.4)]

### ### Numbers

- Numbers can be hexadecimal (base 16). (But note that neither signed hexadecimals nor hexadecimal floats are allowed by ES5.)
- Numbers can begin or end with a (leading or trailing) decimal point.
- Numbers can include `Infinity` and `-Infinity`.
- Numbers can begin with an explicit plus sign.

### ### Comments

- Both inline (single-line) and block (multi-line) comments are allowed.

### ## Example

The following is a contrived example, but it illustrates most of the features:

```
```js
```

```

{
  foo: 'bar',
  while: true,

  this: 'is a \
multi-line string',

  // this is an inline comment
  here: 'is another', // inline comment

  /* this is a block comment
     that continues on another line */

  hex: 0xDEADbeef,
  half: .5,
  delta: +10,
  to: Infinity, // and beyond!

  finally: 'a trailing comma',
  oh: [
    "we shouldn't forget",
    'arrays can have',
    'trailing commas too',
  ],
}
...

```

This implementation's own [package.json5](package.json5) is more realistic:

```

```js
// This file is written in JSON5 syntax, naturally, but npm needs a regular
// JSON file, so compile via `npm run build`. Be sure to keep both in sync!

```

```

{
  name: 'json5',
  version: '0.2.0',
  description: 'JSON for the ES5 era.',
  keywords: ['json', 'es5'],
  author: 'Aseem Kishore <aseem.kishore@gmail.com>',
  contributors: [
    'Max Nanasy <max.nanasy@gmail.com>',
  ],
  main: 'lib/json5.js',
  bin: 'lib/cli.js',
  dependencies: {},
  devDependencies: {
    mocha: '~1.0.3',
  },
}

```

```
scripts: {
  build: './lib/cli.js -c package.json5',
  test: 'mocha --ui exports --reporter spec',
},
homepage: 'http://json5.org/',
repository: {
  type: 'git',
  url: 'https://github.com/aseemk/json5.git',
},
}
...

```

## ## Community

Join the [Google Group](<http://groups.google.com/group/json5>) if you're interested in JSON5 news, updates, and general discussion.

Don't worry, it's very low-traffic.

The [GitHub wiki](<https://github.com/aseemk/json5/wiki>) is a good place to track JSON5 support and usage. Contribute freely there!

[GitHub Issues](<https://github.com/aseemk/json5/issues>) is the place to formally propose feature requests and report bugs. Questions and general feedback are better directed at the Google Group.

## ## Usage

This JavaScript implementation of JSON5 simply provides a `JSON5` object just like the native ES5 `JSON` object.

To use from Node:

```
...
```

```
npm install json5
```

```
...
```

```
```js
```

```
var JSON5 = require('json5');
```

```
...
```

To use in the browser (adds the `JSON5` object to the global namespace):

```
...
```

```
<script src="json5.js"></script>
```

```
...
```

Then in both cases, you can simply replace native ``JSON`` calls with ``JSON5``:

```
```js
var obj = JSON5.parse('{unquoted:"key",trailing:"comma",}');
var str = JSON5.stringify(obj);
```
```

``JSON5.parse`` supports all of the JSON5 features listed above (\*TODO: except Unicode\*), as well as the native `[`reviver` argument][json-parse]`.

[json-parse]: [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/JSON/parse](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse)

``JSON5.stringify`` mainly avoids quoting keys where possible, but we hope to keep expanding it in the future (e.g. to also output trailing commas).

It supports the native `[`replacer` and `space` arguments][json-stringify]`, as well. \*(TODO: Any implemented ``toJSON`` methods aren't used today.)\*

[json-stringify]: [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/JSON/stringify](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/stringify)

### ### Extras

If you're running this on Node, you can also register a `JSON5 `require()`` hook to let you ``require()`` ``.json5`` files just like you can ``.json`` files:

```
```js
require('json5/lib/require');
require('./path/to/foo'); // tries foo.json5 after foo.js, foo.json, etc.
require('./path/to/bar.json5');
```
```

This module also provides a ``.json5`` executable (requires Node) for converting JSON5 files to JSON:

```
```
$ json5 -c path/to/foo.json5 # generates path/to/foo.json
```
```

### ## Development

```
```
git clone git://github.com/aseemk/json5.git
cd json5
npm install
npm test
```
```

As the `package.json5` file states, be sure to run `npm run build` on changes to `package.json5`, since npm requires `package.json`.

Feel free to [file issues](https://github.com/aseemk/json5/issues) and submit [pull requests](https://github.com/aseemk/json5/pulls) â contributions are welcome. If you do submit a pull request, please be sure to add or update the tests, and ensure that `npm test` continues to pass.

## ## License

MIT License. Â© 2012 Aseem Kishore, and [others](https://github.com/aseemk/json5/contributors).

## ## Credits

[Michael Bolin](http://bolinfest.com/) independently arrived at and published some of these same ideas with awesome explanations and detail.

Recommended reading:

[Suggested Improvements to JSON](http://bolinfest.com/essays/json.html)

[Douglas Crockford](http://www.crockford.com/) of course designed and built JSON, but his state machine diagrams on the [JSON website](http://json.org/), as cheesy as it may sound, gave me motivation and confidence that building a new parser to implement these ideas this was within my reach!

This code is also modeled directly off of Doug's open-source [json\_parse.js] parser. I'm super grateful for that clean and well-documented code.

[json\_parse.js]: https://github.com/douglascrockford/JSON-js/blob/master/json\_parse.js

[Max Nanasy](https://github.com/MaxNanasy) has been an early and prolific supporter, contributing multiple patches and ideas. Thanks Max!

[Andrew Eisenberg](https://github.com/aeisenberg) has contributed the `stringify` method.

# 1.153 jsonify 0.0.0

## 1.153.1 Available under license :

```
{
  "name" : "jsonify",
  "version" : "0.0.0",
  "description" : "JSON without touching any globals",
  "main" : "index.js",
  "directories" : {
    "lib" : ".",
  }
}
```

```

    "test" : "test"
  },
  "devDependencies" : {
    "tap" : "0.4.x",
    "garbage" : "0.0.x"
  },
  "scripts" : {
    "test" : "tap test"
  },
  "repository" : {
    "type" : "git",
    "url" : "http://github.com/substack/jsonify.git"
  },
  "keywords" : [
    "json",
    "browser"
  ],
  "author" : {
    "name" : "Douglas Crockford",
    "url" : "http://crockford.com/"
  },
  "license" : "Public Domain"
}

```

## 1.154 jsonpointer 1.1.0

### 1.154.1 Available under license :

# JSON Pointer for nodejs

This is an implementation of [JSON Pointer](<http://tools.ietf.org/html/draft-ietf-appsawg-json-pointer-08>).

## Usage

```

var jsonpointer = require("jsonpointer");
var obj = { foo: 1, bar: { baz: 2}, qux: [3, 4, 5]};
var one = jsonpointer.get(obj, "/foo");
var two = jsonpointer.get(obj, "/bar/baz");
var three = jsonpointer.get(obj, "/qux/0");
var four = jsonpointer.get(obj, "/qux/1");
var five = jsonpointer.get(obj, "/qux/2");

```

```

jsonpointer.set(obj, "/foo", 6); // obj.foo = 6;

```

## Testing

```

$ node test.js
All tests pass.

```

\$

[![Build Status](https://travis-ci.org/janl/node-jsonpointer.png?branch=master)](undefined)

## Author

(c) 2011 Jan Lehnardt <jan@apache.org>

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## 1.155 jsonwebtoken 7.2.1

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## 1.156 libcap-ng\_utils 0.7.3 :5.e17

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```
/*
```

```
* libxslt_pipes.c: a program for performing a series of XSLT  
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```

```
*
```

```
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## 1.172 Iru-cache 2.6.5

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## 1.173 map-stream 0.0.6

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{
  "name": "methods",
  "version": "0.0.1",
  "description": "HTTP methods that node supports",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [
    "http",
    "methods"
  ],
  "author": "TJ Holowaychuk",
  "license": "MIT"
}
```

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## 1.182 mime-types 2.1.5

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## 1.184 minimatch 2.0.10

### 1.184.1 Available under license :

```
{
  "author": "Isaac Z. Schlueter <i@izs.me> (http://blog.izs.me)",
  "name": "minimatch",
```

```

"description": "a glob matcher in javascript",
"version": "2.0.10",
"repository": {
  "type": "git",
  "url": "git://github.com/isaacs/minimatch.git"
},
"main": "minimatch.js",
"scripts": {
  "posttest": "standard minimatch.js test/*.js",
  "test": "tap test/*.js",
  "prepublish": "browserify -o browser.js -e minimatch.js -s minimatch --bare"
},
"engines": {
  "node": "*"
},
"dependencies": {
  "brace-expansion": "^1.0.0"
},
"devDependencies": {
  "browserify": "^9.0.3",
  "standard": "^3.7.2",
  "tap": "^1.2.0"
},
"license": "ISC",
"files": [
  "minimatch.js",
  "browser.js"
]
}

```

## 1.185 minimatch 0.1.5

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tomb - support for clean goroutine termination in Go.

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mgo - MongoDB driver for Go

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```
// +build freebsd openbsd netbsd
```

```
package gopass
```

```
/*
```

```
#include <termios.h>
```

```
#include <unistd.h>
```

```
#include <stdio.h>
```

```
int getch() {
```

```
    int ch;
```

```
    struct termios t_old, t_new;
```

```
    tcgetattr(STDIN_FILENO, &t_old);
```

```
    t_new = t_old;
```

```
    t_new.c_lflag &= ~(ICANON | ECHO);
```

```
    tcsetattr(STDIN_FILENO, TCSANOW, &t_new);
```

```
    ch = getchar();
```

```
    tcsetattr(STDIN_FILENO, TCSANOW, &t_old);
```

```
    return ch;
```

```
}
```

```
*/
```

```
import "C"
```

```
func getch() byte {
```

```
    return byte(C.getch())
```

```
}
```

```
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```

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## 1.190 mongo-tools 3.0.14

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mgo - MongoDB driver for Go

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```
// +build freebsd openbsd netbsd
```

```
package gopass
```

```
/*
```

```
#include <termios.h>
```

```
#include <unistd.h>
```

```
#include <stdio.h>
```

```
int getch() {
```

```
    int ch;
```

```
    struct termios t_old, t_new;
```

```
    tcgetattr(STDIN_FILENO, &t_old);
```

```
    t_new = t_old;
```

```
    t_new.c_lflag &= ~(ICANON | ECHO);
```

```

tcsetattr(STDIN_FILENO, TCSANOW, &t_new);

ch = getchar();

tcsetattr(STDIN_FILENO, TCSANOW, &t_old);
return ch;
}
*/
import "C"

func getch() byte {
    return byte(C.getch())
}

```

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tomb - support for clean goroutine termination in Go.

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zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.8, April 28th, 2013

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Written by: Philip Hazel  
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# 1.193 mongodb-org 2.6.5 :1

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```

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- Zlib at deps/zlib. zlib's license follows:

""

```
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```

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```
*/
```

""

- npm is a package manager program located at deps/npm.

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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```
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989  
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## 1.279 npm-package-arg 4.0.2

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## 1.290 os-homedir 1.0.1

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# os-homedir [![Build Status](https://travis-ci.org/sindresorhus/os-homedir.svg?branch=master)](https://travis-ci.org/sindresorhus/os-homedir)

> io.js 2.3.0 [ `os.homedir()` ](https://iojs.org/api/os.html#os\_os\_homedir) ponyfill

> Ponyfill: A polyfill that doesn't overwrite the native method

## Install

---

\$ npm install --save os-homedir

---

## Usage

```js

var osHomedir = require('os-homedir');

console.log(osHomedir());

//=> /Users/sindresorhus

---

## Related

- [user-home](https://github.com/sindresorhus/user-home) - Same as this module but caches the result

- [home-or-tmp](https://github.com/sindresorhus/home-or-tmp) - Get the user home directory with fallback to the

system temp directory

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# 1.291 os-tmpdir 1.0.1

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> Node.js [os.tmpdir()](https://nodejs.org/api/os.html#os\_os\_tmpdir) ponyfill

> Ponyfill: A polyfill that doesn't overwrite the native method

Use this instead of `require('os').tmpdir()` to get a consistent behaviour on different Node.js versions (even 0.8).

\*This is actually taken from io.js 2.0.2 as it contains some fixes that haven't bubbled up to Node.js yet.\*

## Install

...

```
$ npm install --save os-tmpdir
```

...

## Usage

```
```js
```

```
var osTmpdir = require('os-tmpdir');
```

```
osTmpdir();
```

```
//=> /var/folders/m3/5574nnhn0yj488ccryqr7tc80000gn/T
```

```
```
```

## API

See the [os.tmpdir() docs](https://nodejs.org/api/os.html#os\_os\_tmpdir).

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# 1.292 osenv 0.1.3

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# 1.294 path-is-absolute 1.0.0

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> Node.js 0.12 [ path.isAbsolute() ](http://nodejs.org/api/path.html#path\_path\_isabsolute\_path) ponyfill

> Ponyfill: A polyfill that doesn't overwrite the native method

## Install

...

```
$ npm install --save path-is-absolute
```

...

## Usage

```
```js
```

```
var pathIsAbsolute = require('path-is-absolute');
```

```
// Linux
```

```
pathIsAbsolute('/home/foo');
```

```
//=> true
```

```
// Windows
```

```
pathIsAbsolute('C:/Users/');
```

```
//=> true
```

```
// Any OS
```

```
pathIsAbsolute.posix('/home/foo');
```

```
//=> true
```

...

## API

See the [ path.isAbsolute() docs ](http://nodejs.org/api/path.html#path\_path\_isabsolute\_path).

```
### pathIsAbsolute(path)
```

```
### pathIsAbsolute.posix(path)
```

The Posix specific version.

```
### pathIsAbsolute.win32(path)
```

The Windows specific version.

```
## License
```

```
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## 1.295 path-is-inside 1.0.1

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## 1.296 pause 0.0.1

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## 1.297 pause-stream 0.0.11

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## 1.298 process-nextick-args 1.0.2

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```
{
  "name": "process-nextick-args",
  "version": "1.0.2",
  "description": "process.nextTick but always with args",
  "main": "index.js",
  "scripts": {
    "test": "node test.js"
  },
  "repository": {
    "type": "git",
    "url": "https://github.com/calvinmetcalf/process-nextick-args.git"
  },
  "author": "",
  "license": "MIT",
  "bugs": {
    "url": "https://github.com/calvinmetcalf/process-nextick-args/issues"
  },
  "homepage": "https://github.com/calvinmetcalf/process-nextick-args",
  "devDependencies": {
    "tap": "~0.2.6"
  }
}
```

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=====

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (see <http://www.digicool.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Digital Creations is a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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## 1.302 qs 0.5.1

### 1.302.1 Available under license :

```
# node-querystring
```

query string parser for node and the browser supporting nesting, as it was removed from `0.3.x`, so this library provides the previous and commonly desired behaviour (and twice as fast). Used by [express](http://expressjs.com), [connect](http://senchalabs.github.com/connect) and others.

```
## Installation
```

```
$ npm install qs
```

```
## Examples
```

```
```js
var qs = require('qs');

qs.parse('user[name][first]=Tobi&user[email]=tobi@learnboost.com');
// => { user: { name: { first: 'Tobi' }, email: 'tobi@learnboost.com' } }

qs.stringify({ user: { name: 'Tobi', email: 'tobi@learnboost.com' } })
// => user[name]=Tobi&user[email]=tobi%40learnboost.com
```



...

## ## Testing

Install dev dependencies:

```
$ npm install -d
```

and execute:

```
$ make test
```

browser:

```
$ open test/browser/index.html
```

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# 1.303 qs 4.0.0

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## 1.304 rabbitmq-server 3.6.5-1 :1

### 1.304.1 Available under license :

EJS - Embedded JavaScript

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EJS - Embedded JavaScript

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Upstream-Name: rabbitmq-server

Upstream-Contact: Jean-Sbastien Pdron <[jean-sebastien@rabbitmq.com](mailto:jean-sebastien@rabbitmq.com)>

Source: <https://github.com/rabbitmq/rabbitmq-server>

Files: \*

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EJS - Embedded JavaScript

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```
{
  "name": "read",
  "version": "1.0.7",
  "main": "lib/read.js",
  "dependencies": {
    "mute-stream": "~0.0.4"
  },
  "devDependencies": {
    "tap": "^1.2.0"
  },
  "engines": {
    "node": ">=0.8"
  }
}
```

```
},
"author": "Isaac Z. Schlueter <i@izs.me> (http://blog.izs.me/)",
"description": "read(1) for node programs",
"repository": {
  "type": "git",
  "url": "git://github.com/isaacs/read.git"
},
"license": "ISC",
"scripts": {
  "test": "tap test/*.js"
},
"files": [
  "lib/read.js"
]
}
```

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## 1.310 readable-stream 1.1.13

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# 1.324 send 0.2.0

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# send

Send is Connect's `static()` extracted for generalized use, a streaming static file server supporting partial responses (Ranges), conditional-GET negotiation, high test coverage, and granular events which may be leveraged to take appropriate actions in your application or framework.

## Installation

```
$ npm install send
```

## Examples

Small:

```
```js
var http = require('http');
var send = require('send');

var app = http.createServer(function(req, res){
  send(req, req.url).pipe(res);
}).listen(3000);
```
```

Serving from a root directory with custom error-handling:

```
```js
var http = require('http');
var send = require('send');
var url = require('url');

var app = http.createServer(function(req, res){
  // your custom error-handling logic:
  function error(err) {
    res.statusCode = err.status || 500;
    res.end(err.message);
  }

  // your custom directory handling logic:
  function redirect() {
    res.statusCode = 301;
    res.setHeader('Location', req.url + '/');
    res.end('Redirecting to ' + req.url + '/');
  }
}
```

```
// transfer arbitrary files from within
// /www/example.com/public/*
send(req, url.parse(req.url).pathname)
.root('/www/example.com/public')
.on('error', error)
.on('directory', redirect)
.pipe(res);
}).listen(3000);
...

```

## ## API

### ### Events

- `error` an error occurred `(err)`
- `directory` a directory was requested
- `file` a file was requested `(path, stat)`
- `stream` file streaming has started `(stream)`
- `end` streaming has completed

### ### .root(dir)

Serve files relative to `path`. Aliased as `.from(dir)`.

### ### .index(path)

By default send supports "index.html" files, to disable this invoke `.index(false)` or to supply a new index pass a string.

### ### .maxage(ms)

Provide a max-age in milliseconds for http caching, defaults to 0.

### ### .hidden(bool)

Enable or disable transfer of hidden files, defaults to false.

## ## Error-handling

By default when no `error` listeners are present an automatic response will be made, otherwise you have full control over the response, aka you may show a 5xx page etc.

## ## Caching

It does not perform internal caching, you should use a reverse proxy cache such as Varnish for this, or those fancy things called CDNs. If your application is small enough that it would benefit from single-node memory caching, it's small enough that it does not need caching at all ;).

```
## Debugging
```

```
To enable `debug()` instrumentation output export __DEBUG__:
```

```
...
```

```
$ DEBUG=send node app
```

```
...
```

```
## Running tests
```

```
...
```

```
$ npm install
```

```
$ make test
```

```
...
```

```
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```

```
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```

```
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```

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## 1.325 send 0.1.0

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```
# send
```

Send is Connect's `static()` extracted for generalized use, a streaming static file

server supporting partial responses (Ranges), conditional-GET negotiation, high test coverage, and granular events which may be leveraged to take appropriate actions in your application or framework.

## ## Installation

```
$ npm install send
```

## ## Examples

Small:

```
```js
var http = require('http');
var send = require('send');

var app = http.createServer(function(req, res){
  send(req, req.url).pipe(res);
});
```
```

Serving from a root directory with custom error-handling:

```
```js
var http = require('http');
var send = require('send');

var app = http.createServer(function(req, res){
  // your custom error-handling logic:
  function error(err) {
    res.statusCode = err.status || 500;
    res.end(err.message);
  }

  // your custom directory handling logic:
  function redirect() {
    res.statusCode = 301;
    res.setHeader('Location', req.url + '/');
    res.end('Redirecting to ' + req.url + '/');
  }

  // transfer arbitrary files from within
  // /www/example.com/public/*
  send(req, url.parse(req.url).pathname)
  .root('/www/example.com/public')
  .on('error', error)
  .on('directory', redirect)
  .pipe(res);
});
```
```

...

## ## API

### ### Events

- `error` an error occurred `(err)`
- `directory` a directory was requested
- `stream` file streaming has started `(stream)`
- `end` streaming has completed

### ### .root(dir)

Serve files relative to `path`. Aliased as `.from(dir)`.

### ### .index(path)

By default send supports "index.html" files, to disable this invoke `.index(false)` or to supply a new index pass a string.

### ### .maxage(ms)

Provide a max-age in milliseconds for http caching, defaults to 0.

## ## Error-handling

By default when no `error` listeners are present an automatic response will be made, otherwise you have full control over the response, aka you may show a 5xx page etc.

## ## Caching

It does not perform internal caching, you should use a reverse proxy cache such as Varnish for this, or those fancy things called CDNs. If your application is small enough that it would benefit from single-node memory caching, it's small enough that it does not need caching at all ;).

## ## Debugging

To enable `debug()` instrumentation output export `__DEBUG__`:

...

```
$ DEBUG=send node app
```

...

## ## Running tests

...

```
$ npm install
```

```
$ make test
```

...

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# 1.326 send 0.12.3

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## 1.329 should-type 0.0.4

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## 1.330 simple-ssh 0.9.0

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## 1.331 sliced 0.0.5

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# 1.332 slide 1.1.6

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# 1.333 sntp 1.0.9

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## 1.334 spdx 0.4.1

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## 1.335 spdx-correct 1.0.1

### 1.335.1 Available under license :

```
````javascript
var correct = require('spdx-correct');
var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
````
```

## 1.336 spdx-exceptions 1.0.2

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"Apache-1.0",  
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"Apache-2.0",  
"AML",  
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"APSL-1.1",  
"APSL-1.2",  
"APSL-2.0",  
"Artistic-1.0",  
"Artistic-1.0-Perl",  
"Artistic-1.0-cl8",  
"Artistic-2.0",  
"AAL",  
"Bahyph",  
"Barr",  
"Beerware",  
"BitTorrent-1.0",  
"BitTorrent-1.1",  
"BSL-1.0",  
"Borceux",  
"BSD-2-Clause",  
"BSD-2-Clause-FreeBSD",  
"BSD-2-Clause-NetBSD",  
"BSD-3-Clause",  
"BSD-3-Clause-Clear",  
"BSD-4-Clause",  
"BSD-Protection",  
"BSD-3-Clause-Attribution",  
"BSD-4-Clause-UC",  
"bzip2-1.0.5",  
"bzip2-1.0.6",  
"Caldera",  
"CECILL-1.0",  
"CECILL-1.1",  
"CECILL-2.0",

"CECILL-B",  
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## 1.339 split 0.2.10

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## 1.340 sprintf-js 1.0.3

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## 1.348 strip-ansi 2.0.1

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```
# strip-ansi [![Build Status](https://travis-ci.org/sindresorhus/strip-ansi.svg?branch=master)](https://travis-ci.org/sindresorhus/strip-ansi)
```

```
> Strip [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)
```

```
## Install
```

```
```sh
$ npm install --save strip-ansi
```
```

```
## Usage
```

```
```js
var stripAnsi = require('strip-ansi');

stripAnsi('\u001b[4mcake\u001b[0m');
//=> 'cake'
```
```

```
## CLI
```

```
```sh
$ npm install --global strip-ansi
```
```

...

```
```sh
```

```
$ strip-ansi --help
```

Usage

```
strip-ansi <input-file> > <output-file>
```

```
cat <input-file> | strip-ansi > <output-file>
```

Example

```
strip-ansi unicorn.txt > unicorn-stripped.txt
```

...

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## 1.349 strip-ansi 3.0.0

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```

```
> Strip [ANSI escape codes](http://en.wikipedia.org/wiki/ANSI_escape_code)
```

## Install

...

```
$ npm install --save strip-ansi
```

...

## Usage

```
```js
```

```
var stripAnsi = require('strip-ansi');
```

```
stripAnsi('\u001b[4mcake\u001b[0m');
```

```
//=> 'cake'
```

...

## Related

- [strip-ansi-cli](https://github.com/sindresorhus/strip-ansi-cli) - CLI for this module

- [has-ansi](https://github.com/sindresorhus/has-ansi) - Check if a string has ANSI escape codes
- [ansi-regex](https://github.com/sindresorhus/ansi-regex) - Regular expression for matching ANSI escape codes
- [chalk](https://github.com/sindresorhus/chalk) - Terminal string styling done right

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# 1.350 supports-color 2.0.0

## 1.350.1 Available under license :

```
# supports-color [![Build Status](https://travis-ci.org/chalk/supports-color.svg?branch=master)](https://travis-ci.org/chalk/supports-color)
```

> Detect whether a terminal supports color

## Install

---

```
$ npm install --save supports-color
```

---

## Usage

```
```js
var supportsColor = require('supports-color');

if (supportsColor) {
  console.log('Terminal supports color');
}
```
```

It obeys the `--color` and `--no-color` CLI flags.

For situations where using `--color` is not possible, add an environment variable `FORCE_COLOR` with any value to force color. Trumps `--no-color`.

## Related

- [supports-color-cli](https://github.com/chalk/supports-color-cli) - CLI for this module
- [chalk](https://github.com/chalk/chalk) - Terminal string styling done right

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## 1.351 swagger-tools 0.10.1

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## 1.352 tap-stream 0.1.0

### 1.352.1 Available under license :

```
{
  "name": "tap-stream",
  "version": "0.1.0",
  "author": "Thorsten Lorenz <thlorenz@gmx.de> (http://thlorenz.com)",
  "description": "Taps a nodejs stream and logs the data that's coming through.",
  "main": "index.js",
  "directories": {
    "test": "test"
  },
  "scripts": {
    "test": "tap ./test/*.js"
  },
  "repository": {
    "type": "git",
```



```
"url": "git://github.com/thlorenz/tap-stream.git"
},
"keywords": [
  "stream",
  "streams",
  "log",
  "print",
  "inspect"
],
"license": "BSD",
"dependencies": {
  "through": "~1.1.0"
},
"devDependencies": {
  "tap": "~0.3.1"
}
}
```

## 1.353 td-agent 2.3.4

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## 1.359 util-deprecate 1.0.1

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## 1.360 util-extend 1.0.1

### 1.360.1 Available under license :

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{
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  "version": "1.0.1",
  "description": "Node's internal object extension function",
  "main": "extend.js",
  "scripts": {
    "test": "node test.js"
  },
  "repository": {
    "type": "git",
    "url": "git://github.com/isaacs/util-extend"
  },
  "author": "",
  "license": "MIT",
  "readmeFilename": "README.md"
}
```

## 1.361 utils-merge 1.0.0

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# 1.365 which 1.1.1

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  "version": "4.0.0",  
  "description": "extend like a boss",
```

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  "extend",
  "merge",
  "options",
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  "object",
  "array"
],
"author": "Raynos <raynos2@gmail.com>",
"repository": "git://github.com/Raynos/xtend.git",
"main": "immutable",
"scripts": {
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  "tape": "~1.1.0"
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"homepage": "https://github.com/Raynos/xtend",
"contributors": [
  {
    "name": "Jake Verbaten"
  },
  {
    "name": "Matt Esch"
  }
],
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  "email": "raynos2@gmail.com"
},
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    "type": "MIT",
    "url": "http://github.com/raynos/xtend/raw/master/LICENSE"
  }
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"testling": {
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  "browsers": [
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    "firefox/nightly",
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    "opera/12..latest",
    "opera/next",
    "safari/5.1..latest",
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}
}
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## 1.368 zlib/contrib-ada 1.2.7 :13.el7

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# 1.372 zookeeper\_EPLv1.0 3.4.6 :1

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# 1.373 zookeeper\_LGPLv2.1 3.4.6 :1

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