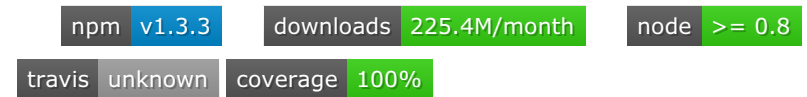


# parseurl



Parse a URL with memoization.

## Install

This is a [Node.js](#) module available through the [npm registry](#).  
Installation is done using the [npm install command](#):

```
$ npm install parseurl
```

## API

```
var parseurl = require('parseurl')
```

### parseurl(req)

Parse the URL of the given request object (looks at the `req.url` property) and return the result. The result is the same as `url.parse` in Node.js core. Calling this function multiple times

on the same req where req.url does not change will return a cached parsed object, rather than parsing again.

### parseurl.original(req)

Parse the original URL of the given request object and return the result. This works by trying to parse req.originalUrl if it is a string, otherwise parses req.url. The result is the same as url.parse in Node.js core. Calling this function multiple times on the same req where req.originalUrl does not change will return a cached parsed object, rather than parsing again.

## Benchmark

```
$ npm run-script bench  
> parseurl@1.3.3 bench nodejs-parseurl  
> node benchmark/index.js
```

```
http_parser@2.8.0  
node@10.6.0  
v8@6.7.288.46-node.13  
uv@1.21.0  
zlib@1.2.11  
ares@1.14.0  
modules@64  
nghttp2@1.32.0  
napi@3
```

## License

[MIT](#)

```
openssl@1.1.0h  
icu@61.1  
unicode@10.0  
cldr@33.0  
tz@2018c
```

```
> node benchmark/fullurl.js
```

```
Parsing URL "http://localhost:8888/  
foo/bar?user=tj&pet=fluffy"
```

4 tests completed.

```
fasturl x 2,207,842  
ops/sec ±3.76% (184 runs  
sampled)  
nativeurl  
- legacy x 507,180 ops/sec  
±0.82% (191 runs sampled)  
nativeurl  
- whatwg x 290,044 ops/sec  
±1.96% (189 runs sampled)  
  
parseurl x 488,907  
ops/sec ±2.13% (192 runs  
sampled)
```

```
> node benchmark/pathquery.js
```

```
Parsing URL "/foo/bar?  
user=tj&pet=fluffy"
```

4 tests completed.

```

fasturl      x 3,812,564
ops/sec ±3.15% (188 runs sampled)

nativeurl
- legacy x 2,651,631 ops/sec
±1.68% (189 runs sampled)
- whatwg x 161,837 ops/sec
±2.26% (189 runs sampled)

parseurl     x 4,166,338
ops/sec ±2.23% (184 runs
sampled)

```

```
> node benchmark/samerequest.js
```

```

Parsing URL "/foo/bar?
user=tj&pet=fluffy" on same
request object

```

```
4 tests completed.
```

```

fasturl      x 3,821,651 ops/
sec ±2.42% (185 runs sampled)
nativeurl - legacy x 2,651,162 ops/
sec ±1.90% (187 runs sampled)
nativeurl - whatwg x 175,166 ops/
sec ±1.44% (188 runs sampled)
parseurl     x 14,912,606 ops/
sec ±3.59% (183 runs sampled)

```

```
> node benchmark/simplepath.js
```

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```
Parsing URL "/foo/bar"
```

```
4 tests completed.
```

```

fasturl      x 12,421,765 ops/
sec ±2.04% (191 runs sampled)
nativeurl - legacy x 7,546,036 ops/
sec ±1.41% (188 runs sampled)
nativeurl - whatwg x 198,843 ops/
sec ±1.83% (189 runs sampled)
parseurl     x 24,244,006 ops/
sec ±0.51% (194 runs sampled)

```

```
> node benchmark/slash.js
```

```
Parsing URL "/"
```

```
4 tests completed.
```

```

fasturl      x 17,159,456 ops/
sec ±3.25% (188 runs sampled)
nativeurl - legacy x 11,635,097 ops/
sec ±3.79% (184 runs sampled)
nativeurl - whatwg x 240,693 ops/
sec ±0.83% (189 runs sampled)
parseurl     x 42,279,067 ops/
sec ±0.55% (190 runs sampled)

```

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