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cookie-parser DT

1.4.6 • Public • Published a year ago

Readme

Code Beta

2 Dependencies

8,155 Dependents

17 Versions

cookie-parser

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Parse `Cookie` header and populate `req.cookies` with an object keyed by the cookie names. Optionally you may enable signed cookie support by passing a `secret` string, which assigns `req.secret` so it may be used by other middleware.

Installation

```
$ npm install cookie-parser
```

API

```
var cookieParser = require('cookie-parser')
```

cookieParser(secret, options)

Create a new cookie parser middleware function using the given `secret` and `options`.

- `secret` a string or array used for signing cookies. This is optional and if not specified, will not parse signed cookies. If a string is provided, this is used as the secret. If an array is provided, an attempt will be made to unsign the cookie with each secret in order.
- `options` an object that is passed to `cookie.parse` as the second option. See cookie for more information.
  - `decode` a function to decode the value of the cookie

The middleware will parse the `Cookie` header on the request and expose the cookie data as the property `req.cookies` and, if a `secret` was provided, as the property `req.signedCookies`. These properties are name value pairs of the cookie name to cookie value.

When `secret` is provided, this module will unsign and validate any signed cookie values and move those name value pairs from `req.cookies` into `req.signedCookies`. A signed cookie is a cookie that has a value prefixed with `s:`. Signed cookies that fail signature validation will have the value `false` instead of the tampered value.

In addition, this module supports special "JSON cookies". These are cookie where the value is prefixed with `j:`. When these values are encountered, the value will be exposed as the result of `JSON.parse`. If parsing fails, the original value will remain.

cookieParser.JSONCookie(str)

Parse a cookie value as a JSON cookie. This will return the parsed JSON value if it was a JSON cookie, otherwise, it will return the passed value.

cookieParser.JSONCookies(cookies)

Given an object, this will iterate over the keys and call `JSONCookie` on each value, replacing the original value with the parsed value. This returns the same object that was passed in.

cookieParser.signedCookie(str, secret)

Parse a cookie value as a signed cookie. This will return the parsed unsigned value if it was a signed cookie and the signature was valid. If the value was not signed, the original value is returned. If the value was signed but the signature could not be validated, `false` is returned.

The `secret` argument can be an array or string. If a string is provided, this is used as the secret. If an array is provided, an attempt will be made to unsign the cookie with each secret in order.

cookieParser.signedCookies(cookies, secret)

Given an object, this will iterate over the keys and check if any value is a signed cookie. If it is a signed cookie and the signature is valid, the key will be deleted from the object and added to the new object that is returned.

The `secret` argument can be an array or string. If a string is provided, this is used as the secret. If an array is provided, an attempt will be made to unsign the cookie with each secret in order.

Example

```
var express = require('express')
var cookieParser = require('cookie-parser')

var app = express()
app.use(cookieParser())
app.get('/', function (req, res) {
  // Cookies that have not been signed
  console.log('Cookies: ', req.cookies)

  // Cookies that have been signed
  console.log('Signed Cookies: ', req.signedCookies)
})

app.listen(8080)

// curl command that sends an HTTP request with two cookies
// curl http://127.0.0.1:8080 --cookie "Cho=Kim;Greet=Hello"
```

License

MIT

Keywords

cookie middleware

Install

```
> npm i cookie-parser
```

Repository

github.com/expressjs/cookie-parser

Homepage

github.com/expressjs/cookie-parser#readme

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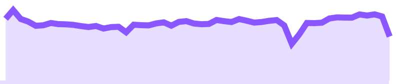

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