

filesize.js

filesize.js provides a simple way to get a human-readable file size string from a number (float or integer) or string.

Testing

filesize has 100% code coverage with its tests.

File	% Stmts	% Branch	%
Funcs	% Lines	Uncovered	Line #s
All files	100	95.52	
100 100			
filesize.cjs	100	95.52	
100 100	77-78,173,196,199,210		

`filesize()` accepts an optional descriptor Object as a second argument, so you can customize the output.

Optional settings

base

(*number*) Number base, default is 10

bits

(*boolean*) Enables bit sizes, default is false

exponent

(*number*) Specifies the symbol via exponent, e.g. 2 is MB for base 2, default is - 1

fullform

(*boolean*) Enables full form of unit of measure, default is false

`filesize()` without caching the descriptor in lexical scope.

```
import {partial} from "filesize";
const size = partial({standard:
  "jedec"});
size(265318); // "259.1 KB"
```

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```

filesize(265318, {output:
    "object"}); // {value: 265.32,
    symbol: "kB", exponent: 1, unit:
    "kB"}
filesize(1, {symbols: {B:
    "Б"}}); // "1 Б"
filesize(1024); //
    "1.02 kB"
filesize(1024, {exponent:
    0}); // "1024 B"
filesize(1024, {output:
    "exponent"}); // 1
filesize(265318, {standard:
    "jedec"}); // "259.1 KB"
filesize(265318, {base: 2, fullform:
    true}); // "259.1 kibibytes"
filesize(12, {fullform: true,
    fullforms:
    ["байтов"]}); // "12 байтов"
filesize(265318, {separator:
    ","}); // "265,32 kB"
filesize(265318, {locale: "de"}); //
    "265,32 kB"

```

Partial Application

`partial()` takes the second parameter of `filesize()` and returns a new function with the configuration applied upon execution. This can be used to reduce `Object` creation if you call

fullforms

(*array*) Array of full form overrides, default is []

locale (overrides ‘separator’)

(*string || boolean*) BCP 47 language tag to specify a locale, or `true` to use default locale, default is ""

localeOptions (overrides ‘separator’, requires string for ‘locale’ option)

(*object*) Dictionary of options defined by ECMA-402 ([Number.prototype.toLocaleString](#)). Requires locale option to be explicitly passed as a string, otherwise is ignored.

output

(*string*) Output of function (array, exponent, object, or string), default is string

pad

(*boolean*) Decimal place end padding, default is false

(number) Sets precision of numerical output, default is 0

precision

round

(number) Decimal place, default is 2

roundingMethod

(string) Rounding method, can be round, floor, or ceil, default is round

separator

(string) Decimal separator character, default is an empty string.

spacer

(string) Character between the result and symbol, default is " "

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(string) Standard unit of measure, can be iec, jedec, or si. Default is si (base 10). The si option is an alias of jedec, such that it is not valid for other configuration options.

standard

symbols

(object) Dictionary of IEC/JEDEC symbols to replace for localization, defaults to english if no match is found, SI is handled automatically with JEDEC values.

Examples

```
// fileize(500);  
"500 B"  
fileize(500, {bits:  
true});  
fileize(265318, {base:  
2});  
fileize(265318);  
"265.32 KB"  
fileize(265318, {round:  
0});  
// "265 KB"  
fileize(265318, {output:  
"array"}});  
// [265.32, "KB"]
```

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