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doowb code comments

History

1 contributor

83 lines (70 sloc) | 1.86 KB

...

```
1  /*!
2   * set-getter (https://github.com/doowb/set-getter)
3   *
4   * Copyright (c) 2016, Brian Woodward.
5   * Licensed under the MIT License.
6   */
7
8  'use strict';
9
10 var toPath = require('to-object-path');
11
12 /**
13  * Defines a getter function on an object using property path notation.
14  *
15  * ```js
16  * var obj = {};
17  * getter(obj, 'foo', function() {
18  *   return 'bar';
19  * });
20  * ```
21  * @param {Object} `obj` Object to add property to.
22  * @param {String|Array} `prop` Property string or array to add.
23  * @param {Function} `getter` Getter function to add as a property.
24  * @api public
25  */
26
27 function setGetter(obj, prop, getter) {
28   var key = toPath(arguments);
29   return define(obj, key, getter);
30 }
31
32 /**
33  * Define getter function on object or object hierarchy using dot notation.
34  *
35  * @param {Object} `obj` Object to define getter property on.
36  * @param {String} `prop` Property string to define.
37  * @param {Function} `getter` Getter function to define.
38  * @return {Object} Returns original object.
39  */
40
41 function define(obj, prop, getter) {
42   if (!prop.indexOf('.') || !prop) {
43     defineProperty(obj, prop, getter);
44     return obj;
45   }
46
47   var keys = prop.split('.');
48   var last = keys.pop();
49   var target = obj;
50   var key;
51
52   while ((key = keys.shift())) {
53     while (key.slice(-1) === '\\') {
54       key = key.slice(0, -1) + '.' + keys.shift();
55     }
56     target = target[key] || (target[key] = {});
57   }
58
59   defineProperty(target, last, getter);
60   return obj;
61 }
62
63 /**
64  * Define getter function on object as a configurable and enumerable property.
65  *
66  * @param {Object} `obj` Object to define property on.
67  * @param {String} `prop` Property to define.
68  * @param {Function} `getter` Getter function to define.
69  */
70
71 function defineProperty(obj, prop, getter) {
72   Object.defineProperty(obj, prop, {
73     configurable: true,
74     enumerable: true,
75     get: getter
76   });
77 }
78
```

```
79  /**
80   * Expose `setGetter`
81   */
82
83  module.exports = setGetter;
```