

🔑 45b925964f ▾

⋮

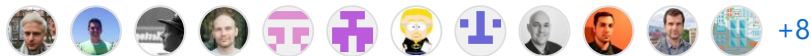
[grunt-karma](#) / [tasks](#) / [grunt-karma.js](#) / <> Jump to ▾



Krinkle chore(refactor): simplify data.files creation ...

🕒 History

👤 20 contributors



144 lines (126 sloc) | 4.02 KB

⋮

```

1  /*
2   * grunt-karma
3   * https://github.com/karma-runner/grunt-karma
4   *
5   * Copyright (c) 2013 Dave Geddes
6   * Licensed under the MIT license.
7   */
8
9  var runner = require('karma').runner
10 var Server = require('karma').Server
11 var path = require('path')
12 var _ = require('lodash')
13
14 function finished (code) {
15   return this(code === 0)
16 }
17
18 // Parse out all cli arguments in the form of `--arg=something` or
19 // `-c=otherthing` and return the array.
20 function parseArgs (args) {
21   return _.filter(args, function (arg) {
22     return arg.match(/^--?/)
23   })
24 }
25
26 module.exports = function (grunt) {
27   grunt.registerMultiTask('karma', 'run karma.', function () {
28     var done = this.async()
29     var options = this.options({

```

```
30     background: false,
31     client: {}
32 })
33
34 // Allow for passing cli arguments to `client.args` using `--grep=x`
35 var args = parseArgs(process.argv.slice(2))
36 if (options.client && _.isArray(options.client.args)) {
37     args = options.client.args.concat(args)
38 }
39
40 // If arguments are provided we pass them to karma
41 if (args.length > 0) {
42     if (!options.client) {
43         options.client = {}
44     }
45     options.client.args = args
46 }
47
48 // Only create client info if data is provided
49 if (options.client) {
50     // Merge karma default options
51     _.defaults(options.client, {
52         args: []
53     })
54 }
55
56 var opts = _.cloneDeep(options)
57 // Merge options onto data, with data taking precedence.
58 var data = _.merge(opts, this.data)
59
60 // But override the browsers array.
61 if (data.browsers && this.data.browsers) {
62     data.browsers = this.data.browsers
63 }
64
65 // Merge client.args
66 if (this.data.client && _.isArray(this.data.client.args)) {
67     data.client.args = this.data.client.args.concat(options.client.args)
68 }
69
70 if (data.configFile) {
71     data.configFile = path.resolve(data.configFile)
72 }
73
74 // Combines both sets of files. The order should be:
75 // - first, values from options.files,
76 // - then, values from this.files.
77 if (options.files || this.files.length) {
78     // For our 'files' option, we support arbitrarily nested arrays,
```

```

79 // as a convenient way to specify files without the user needing to
80 // concat or flatten anything within their Gruntfile.
81 data.files = _.flattenDeep(options.files || [])
82 // The 'files' task data expanded by Grunt internally produces
83 // a structure that is exactly 2 levels deep.
84 this.files.forEach((file) => {
85     file.src.forEach((src) => {
86         let obj = {
87             pattern: src
88         };
89         ['watched', 'served', 'included'].forEach((opt) => {
90             if (opt in file) {
91                 obj[opt] = file[opt]
92             }
93         })
94         data.files.push(obj)
95     })
96 })
97 }
98
99 // Allow the use of templates in preprocessors
100 if (_.isPlainObject(data.preprocessors)) {
101     var preprocessors = {}
102     Object.keys(data.preprocessors).forEach(function (key) {
103         var value = data.preprocessors[key]
104         if (options.basePath) {
105             key = path.join(options.basePath, key)
106         }
107         key = path.resolve(key)
108         key = grunt.template.process(key)
109         preprocessors[key] = value
110     })
111     data.preprocessors = preprocessors
112 }
113
114 // support `karma run`, useful for grunt watch
115 if (this.flags.run) {
116     runner.run(data, finished.bind(done))
117     return
118 }
119
120 // allow karma to be run in the background so it doesn't block grunt
121 if (data.background) {
122     var backgroundProcess = require('child_process').fork(
123         path.join(__dirname, '..', 'lib', 'background.js')
124     )
125
126     backgroundProcess.on('close', function (code) {
127         var error = code

```

```
128         if (error) {
129             grunt.log.error('background karma process exited with error (code: ' + code + ')')
130         }
131     })
132
133     process.on('exit', function () {
134         backgroundProcess.kill()
135     })
136
137     backgroundProcess.send({ config: data })
138     done()
139 } else {
140     var server = new Server(data, finished.bind(done))
141     server.start()
142 }
143 })
144 }
```