



**FREE eBook**

# LEARNING mocha

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**#mocha**

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# About

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# Chapter 1: Getting started with mocha

## Remarks

This section provides an overview of what mocha is, and why a developer might want to use it.

It should also mention any large subjects within mocha, and link out to the related topics. Since the Documentation for mocha is new, you may need to create initial versions of those related topics.

## Examples

### Installation or Setup

You can install `mocha` either globally or in your project folder. The latter is the preferred way. In all the example let's assume that all the test files are in a `test` folder within the project folder.

### Install Mocha locally

To install `mocha` in your project folder, you can use the following `npm` command:

```
$ cd my-project/folder
$ npm install mocha --save-dev
```

This command will install `mocha` inside the `node_modules` folder in your project and add a (development) dependency entry inside the `package.json` file.

### Use mocha in the CLI

To use `mocha` from the CLI you can either use the `mocha` command inside the `./node_modules/.bin/` folder:

```
$ ./node_modules/.bin/mocha ./test
```

Or use a `npm script` (a `npm script` uses by default the commands in the `.bin` folder).

```
# package.json
{
  "name": "my-project",
  "version": "0.0.1",
  "description": "my first tested project",
  "scripts": {
    "start": "node app.js",
    "test": "mocha ./test"
  },
  ...
}
```

To call that script you can do now:

```
$ npm run test
```

Or simply (`test` is a special script in `npm`):

```
$ npm test
```

## Use mocha in a webpage

To use `mocha` inside a webpage (just front-end), just include the `mocha.js` file inside `node_modules/mocha/mocha.js` inside your webpage:

```
## HTML page with tests
<script src="node_modules/mocha/mocha.js"></script>
```

## Install mocha globally

For a global install use `npm` as follow:

```
$ npm install mocha -g
```

This will install `mocha` in your global environment and bind the `mocha` command to your CLI., so you can call `mocha` from the terminal in any place.

```
$ mocha ./test
```

## Mocha example for string split method

```
var assert = require('assert');

describe('String', function() {
  describe('#split', function() {
    it('should return an array', function() {
      assert(Array.isArray('a,b,c'.split(',')))
    });
  });
});
```

Read [Getting started with mocha online](https://riptutorial.com/mocha/topic/8803/getting-started-with-mocha): <https://riptutorial.com/mocha/topic/8803/getting-started-with-mocha>

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# Credits

S. No	Chapters	Contributors
1	Getting started with mocha	<a href="#">alayer</a> , <a href="#">Community</a> , <a href="#">MarcoL</a> , <a href="#">Matthias Sommer</a>