

# Cypress Installation Guide (macOS)

## Prerequisites

1. Install Node<sup>1</sup> and NPM<sup>2</sup>
  - a. Go to [Node's homepage](#)
  - b. Download the recommended version for macOS

Node.js<sup>®</sup> is an open-source, cross-platform JavaScript runtime environment.

### Download Node.js<sup>®</sup>



[Other Downloads](#) | [Changelog](#) | [API Docs](#)   [Other Downloads](#) | [Changelog](#) | [API Docs](#)

For information about supported releases, see the [release schedule](#).

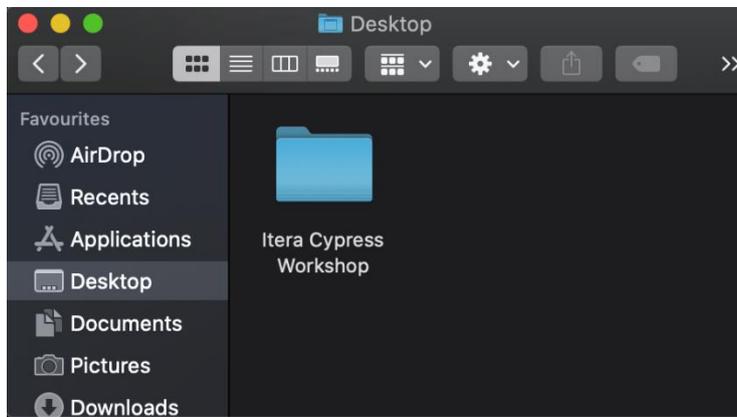
- c. Open the downloaded `.pkg` file
  - d. Go through the installation wizard
2. Create a project folder
    - a. Open the *Finder* app
    - b. Navigate to a place of your choosing, e.g. your Desktop

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<sup>1</sup> Node, or Node.js, allows you to execute JavaScript code on your machine, outside of a browser.

<sup>2</sup> NPM is short for *Node Package Manager*. It allows you to install JavaScript applications and libraries, like Cypress.

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- c. Create a new folder for this workshop, e.g. “Itera Cypress Workshop”



3. Open the project folder in your terminal

- a. [Open the Terminal app](#)
- b. Type `cd` – including the trailing space – and leave it at that
- c. Click-and-drag the project folder, from the *Finder* app, into the *Terminal* app<sup>3</sup>
- d. Press the ENTER/RETURN key
- e. Type `pwd` and press ENTER/RETURN to verify that your terminal is in the correct folder<sup>4</sup>

```
bash-3.2$ cd /Users/<username>/Desktop/Itera\ Cypress\ Workshop/
bash-3.2$ pwd
/Users/<username>/Desktop/Itera Cypress Workshop
bash-3.2$
```

4. Initialize your project

- a. Type `npm init` in your terminal<sup>5</sup> and press ENTER/RETURN
- b. You will be prompted to write a name for the project. Type in a URL friendly name, e.g. `itera-cypress-workshop`, and press ENTER/RETURN

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<sup>3</sup> This should add the project folder’s path to the terminal *after* `cd` .

<sup>4</sup> The terminal’s output should match the project folder’s path, e.g. `/Users/<username>/Desktop/Itera\ Cypress\ Workshop`.

<sup>5</sup> Note that the current working directory of your terminal must be the project folder. See step 3.

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- c. Press ENTER/RETURN without typing anything on the remaining prompts/questions<sup>6</sup>

```
bash-3.2$ npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

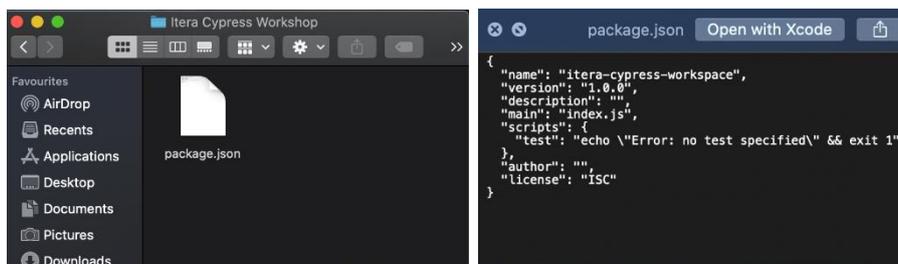
Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (itera-cypress-workshop) itera-cypress-workspace
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to /Users/<username>/Desktop/Itera Cypress Workshop/package.json:

{
  "name": "itera-cypress-workspace",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}

Is this OK? (yes)
```

- d. Verify that a `package.json` file has been created in your project folder. Its content should be the same as the output in your terminal



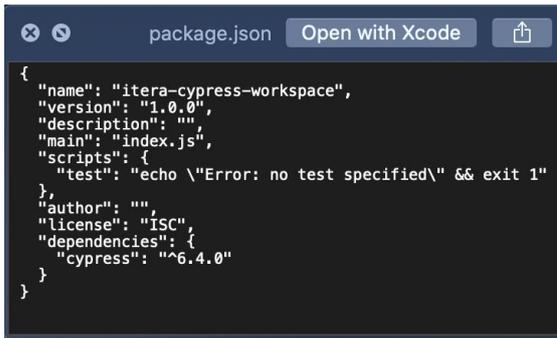
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<sup>6</sup> Default values will be used.

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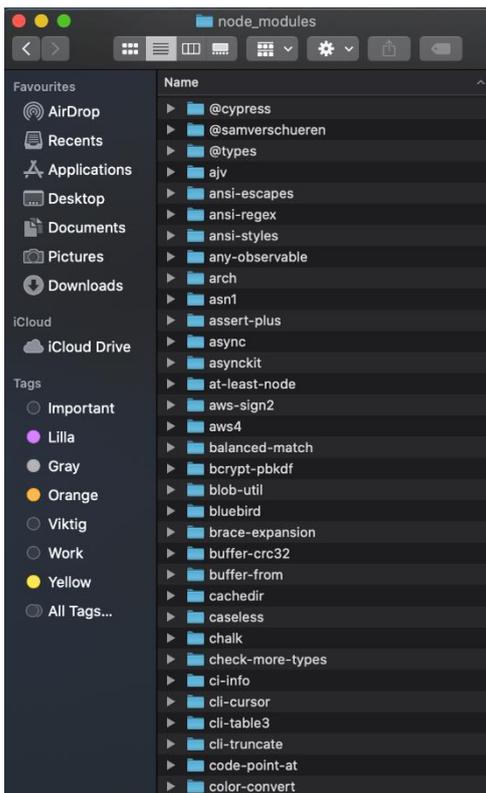
## Installation

1. Type `npm install cypress` in your terminal<sup>7</sup> and press ENTER/RETURN
2. Verify that the `package.json` file has been updated with `cypress` listed as a dependency



```
{
  "name": "itera-cypress-workspace",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "cypress": "^6.4.0"
  }
}
```

3. Verify that a `node_modules` folder has been created in your projected folder



4. Congratulations, you've now successfully installed Cypress 🎉

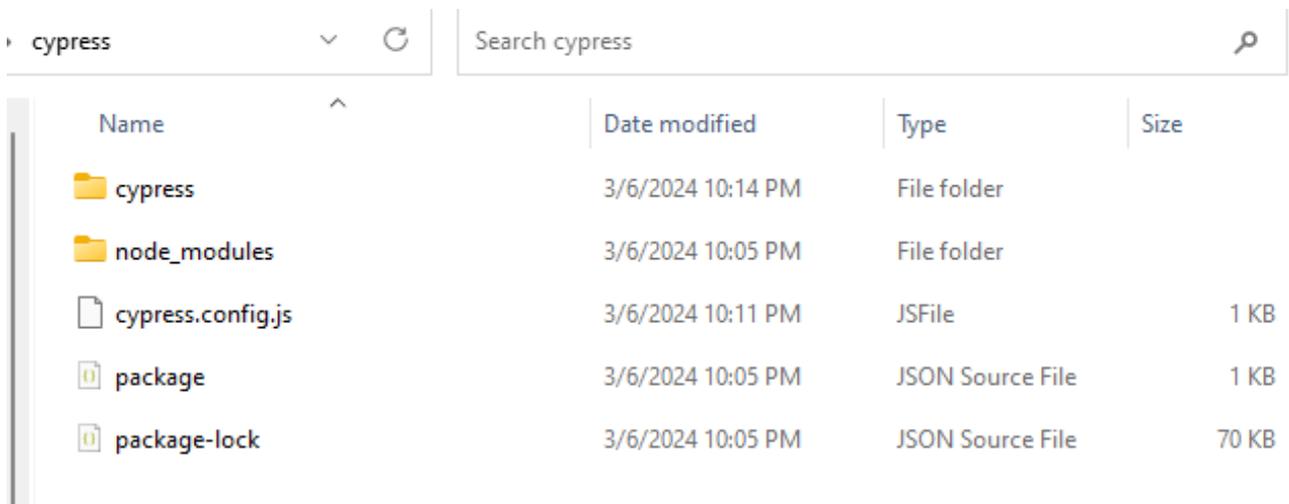
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<sup>7</sup> Note that the current working directory of your terminal must be the project folder. See Prerequisites step 3.

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## Opening Cypress

Open up your terminal and navigate to Itera Cypress Workshop and type “npx cypress open”, you should see Cypress loading and the test runner popping up eventually. Now, your project folder should look something like this:



Name	Date modified	Type	Size
📁 cypress	3/6/2024 10:14 PM	File folder	
📁 node_modules	3/6/2024 10:05 PM	File folder	
📄 cypress.config.js	3/6/2024 10:11 PM	JSFile	1 KB
📄 package	3/6/2024 10:05 PM	JSON Source File	1 KB
📄 package-lock	3/6/2024 10:05 PM	JSON Source File	70 KB