

Github Actions CI status [NPM version](https://www.npmjs.com/package/async) [Coverage Status](https://coveralls.io/r/caolan/async?branch=master) [Join the chat at https://gitter.im/caolan/async](https://gitter.im/caolan/async?utm_source=badge&utm_medium=badge&utm_campaign=pr-badge&utm_content=badge) [jsDelivr Hits](https://www.jsdelivr.com/package/npm/async)

Async is a utility module which provides straight-forward, powerful functions for working with [asynchronous JavaScript](http://caolan.github.io/async/v3/global.html). Although originally designed for use with [Node.js](https://nodejs.org/) and installable via npm i async, it can also be used directly in the browser. An ESM/MJS version is included in the main async package that should automatically be used with compatible bundlers such as Webpack and Rollup.

A pure ESM version of Async is available as [async-es](https://www.npmjs.com/package/async-es).

For Documentation, visit <https://caolan.github.io/async/>

*For Async v1.5.x documentation, go* [*HERE*](https://github.com/caolan/async/blob/v1.5.2/README.md)

// for use with Node-style callbacks...

var async = require("async");

var obj = {dev: "/dev.json", test: "/test.json", prod: "/prod.json"};

var configs = {};

async.forEachOf(obj, (value, key, callback) => {

fs.readFile(\_\_dirname + value, "utf8", (err, data) => {

if (err) return callback(err);

try {

configs[key] = JSON.parse(data);

} catch (e) {

return callback(e);

}

callback();

});

}, err => {

if (err) console.error(err.message);

// configs is now a map of JSON data

doSomethingWith(configs);

});

var async = require("async");

// ...or ES2017 async functions

async.mapLimit(urls, 5, async function(url) {

const response = await fetch(url)

return response.body

}, (err, results) => {

if (err) throw err

// results is now an array of the response bodies

console.log(results)

})