

Node.js

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# Introduce

- Node.js
  - Server-side Javascript
  - Google's V8
  - Event-driven, Non-blocking I/O
  - Core Modules: fs, net, http
  - Third Party Modules: express, socket.io

# Resource

- [Node.js in Action](#)
- [API](#)
- [Node.js Blog](#)
- [Joyent Node.js Blog](#)
- [Node weekly](#)
- [Nodejitsu](#)
- [NodeSchool.io](#)
- [How To Node](#)
- [Node Tuts](#)

# NPM

- Node Package Manager
- npm install

# Web Framework

- connect
- express
- socket.io
- hapi
- Kraken
- Sails.js
- restify

# Database

- node-mysql
- mongodb

# Debug

- Node Inspector
  - `npm install -g node-inspector`
  - `node --debug your-app.js`
  - `node-inspector --web-port=8888`



# Logging

- Winston

# Unit Test

- Nodeunit
  - npm install nodeunit -g
- Vows
  - npm install vows
- Mocha

# Promise

- Q

# Build & Deployment

- Grunt
- forever

# ES6

- ECMAScript Edition 6
- ECMAScript 6 compatibility table
- Generators
- Firefox: `<script type="application/javascript;version=1.7">`
- Chrome
- Node.js
  - 0.11
  - `node --harmony`

Enable Experimental JavaScript Mac, Windows, Linux, Chrome OS, Android  
Enable web pages to use experimental JavaScript features. [#enable-javascript-harmony](#) harmony  
[Disable](#)

```
1 function test (callback) {  
2   setTimeout(function () {  
3     callback('test');  
4   }, 1000);  
5 }  
6 function run (generator) {  
7   var iterator = generator(function (value) {  
8     iterator.next(value);  
9   });  
10  iterator.next();  
11 }  
12  
13 run(function * (next) {  
14   console.log('in');  
15   console.log(yield test(next));  
16   console.log('out');  
17 });
```

# End

- read-50-books-every-year