

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one in front of the green one.

# Introducción al back-end con Node.js

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## **Acerca de mí**

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¿Node.js?





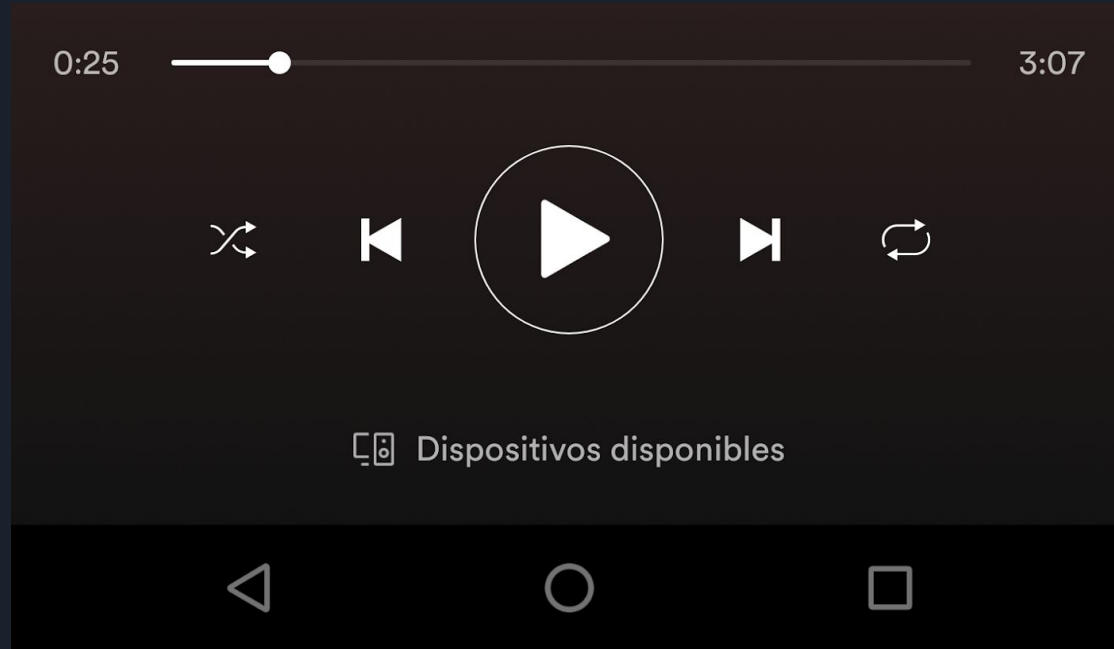
¿JavaScript fuera del navegador?



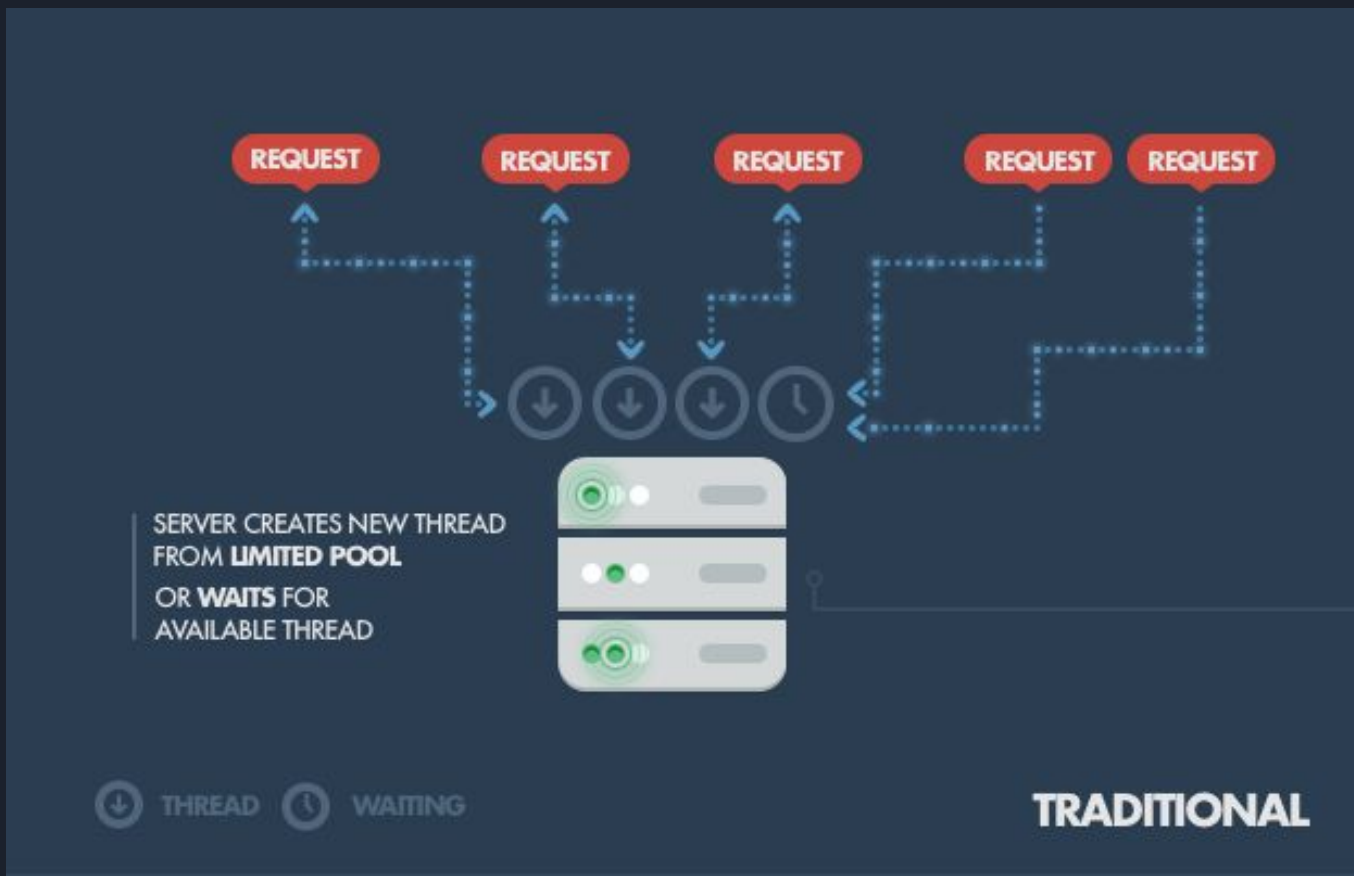
2009 – Ryan Dahl



# Programación orientada a eventos



# Asíncrono (No bloqueante)



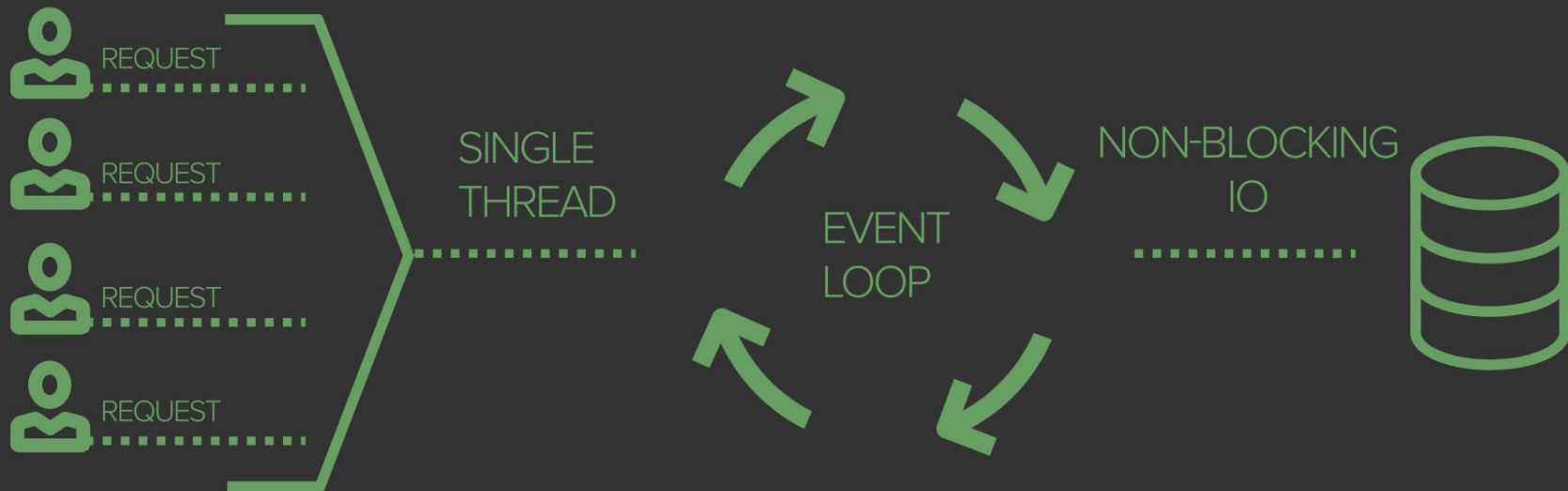


# Single thread

HANDLES EVENT-BASED  
CALLBACK ON **SINGLE THREAD**



**NODE.JS**



# Instalar

<https://nodejs.org/en/download/>


## Linux


```
curl -sL https://deb.nodesource.com/setup_10.x | sudo -E bash -  
sudo apt-get install -y nodejs
```

LTS  
Recommended For Most Users

  
Windows Installer  
node-v10.13.0-x86.msi

Current  
Latest Features

  
macOS Installer  
node-v10.13.0.pkg

  
Source Code  
node-v10.13.0.tar.gz

Windows Installer (.msi)	32-bit	64-bit
Windows Binary (.zip)	32-bit	64-bit
macOS Installer (.pkg)	64-bit	
macOS Binary (.tar.gz)	64-bit	
Linux Binaries (x64)	64-bit	
Linux Binaries (ARM)	ARMv6	ARMv7
Source Code	node-v10.13.0.tar.gz	





# Node Package Manager

## Gestor de paquetes

`npm init -> package.json`

`npm install nombre_paquete@version`

`sudo npm install express`

`Versión 6 o inferior --save`



¿Daemon?









# Nodemon

## Instalar

```
sudo npm install -g nodemon
```

## Arrancar

```
nodemon archivo_js
```







# Forever

[Watch](#)

306

[★ Star](#)

11,602

[Fork](#)

869

**npm install forever -g**

15 dependencies

version 0.15.3

289 dependents

updated 2 years ago

## Instalar

```
sudo npm install forever -g
```

## Arrancar

```
forever start archivo_js
```

## Listar procesos

```
forever list
```

## Matar procesos

```
forever stop numero_del_proceso_entre_corchetes
```

# Pm2

[Watch](#)

697

[★ Star](#)

26,953

[Fork](#)

1,874

**npm install pm2 -g**

32 dependencies

417 dependents

version 3.2.2

updated a month ago

## Instalar

```
sudo npm install pm2 -g
```

## Arrancar

```
pm2 start archivo_js
```

## Listar procesos

```
pm2 list
```

## Manejar procesos

```
pm2 (stop, restart, delete) <app_name|id|'all'|json_conf>
```

```
unitech@t450: ~  
>>> pm2 ls
```

App name	id	mode	pid	status	restart	uptime	cpu	mem	watching
api	0	cluster	27287	online	0	2m	0%	35.5 MB	disabled
api	5	cluster	27308	online	0	2m	0%	32.4 MB	disabled
api	6	cluster	27348	online	0	2m	0%	33.7 MB	disabled
front	3	fork	27303	online	0	2m	0%	26.5 MB	enabled
healthcheck	2	fork	0	stopped	0	0	0%	0 B	disabled
mailer	4	fork	27309	online	0	2m	0%	26.1 MB	disabled
worker	1	fork	27292	online	0	2m	0%	24.9 MB	disabled

Use `'pm2 show <id|name>'` to get more details about an app

[illegible]