

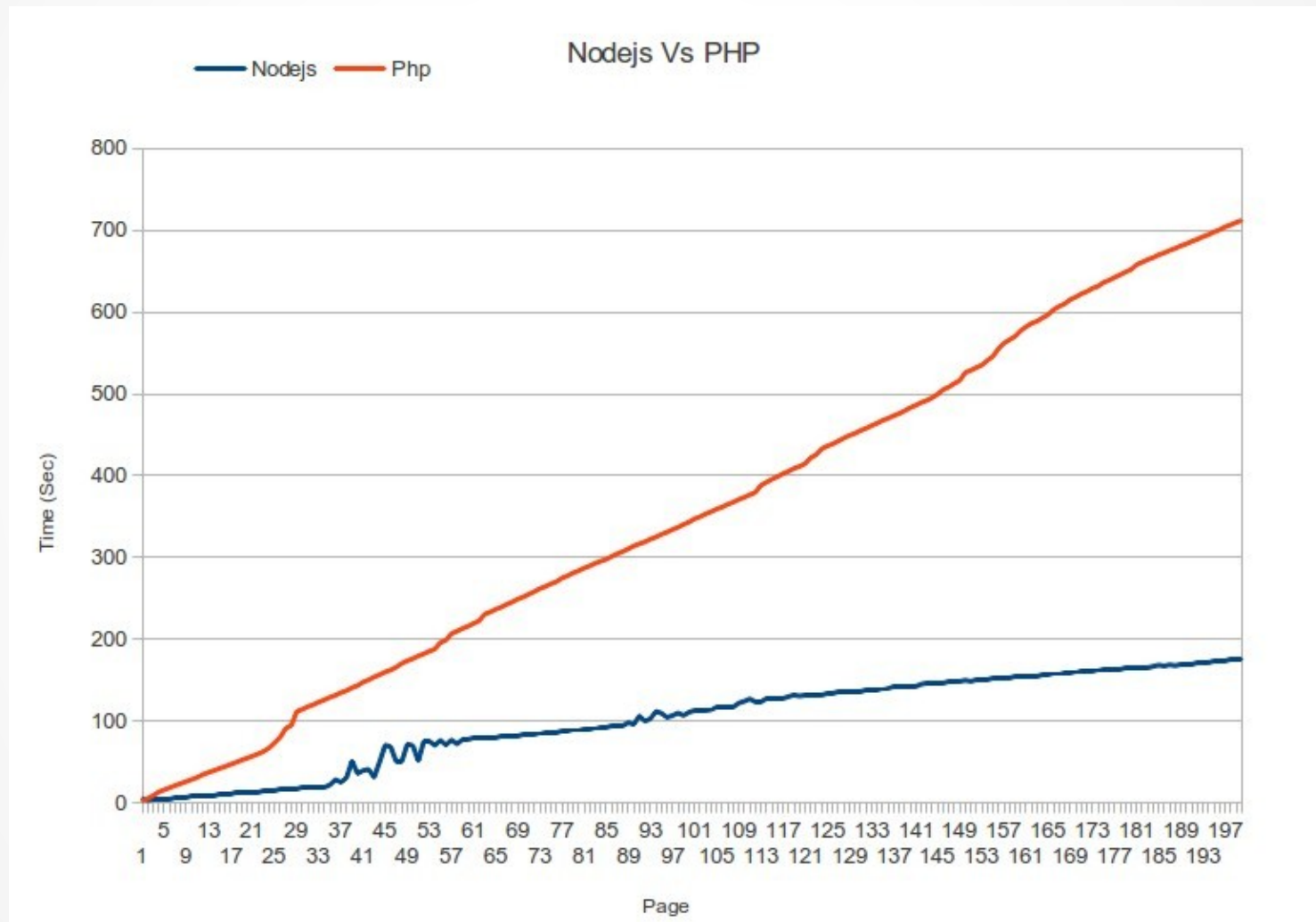
# Node.js

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# ¿Qué es?

Node.js es un entorno en tiempo de ejecución multiplataforma, de código abierto, para la capa del servidor (pero no limitándose a ello) basado en el lenguaje de programación ECMAScript, asíncrono, con I/O de datos en una arquitectura orientada a eventos y basado en el motor V8 de Google.

# ¿Por qué utilizarlo?



# Instalación

The image shows a screenshot of the Node.js website and its Windows installer. The website is displayed in a browser window with the URL <https://nodejs.org/en/>. The website has a dark navigation bar with links: HOME, ABOUT, DOWNLOADS, DOCS, FOUNDATION, GET INVOLVED, SECURITY, and NEWS. The main content area describes Node.js as a JavaScript runtime built on Chrome's V8 JavaScript engine, highlighting its event-driven, non-blocking I/O model and the npm package ecosystem. A yellow banner promotes important security releases. Below this, the 'Download for Windows (x64)' section offers two options: 'v4.3.1 LTS' (Mature and Dependable) and 'v5.7.0 Stable' (Latest Features). Links for 'Other Downloads', 'Changelog', and 'API Docs' are provided for each version. A link to the 'LTS schedule' is also present. The footer includes 'COLLABORATIVE PROJECTS' and a 'Report Node.js issue' link. An 'Activar Windows' watermark is visible in the bottom right corner of the website screenshot.

Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#). Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, [npm](#), is the largest ecosystem of open source libraries in the world.

Important [security releases](#), please update now!

## Download for Windows (x64)

### v4.3.1 LTS

Mature and Dependable

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

### v5.7.0 Stable

Latest Features

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

Or have a look at the [LTS schedule](#).

COLLABORATIVE PROJECTS

[Report Node.js issue](#) | [Report website issue](#) | [Get Help](#)

Activar Windows

## Node.js Setup

Welcome to the Node.js Setup Wizard



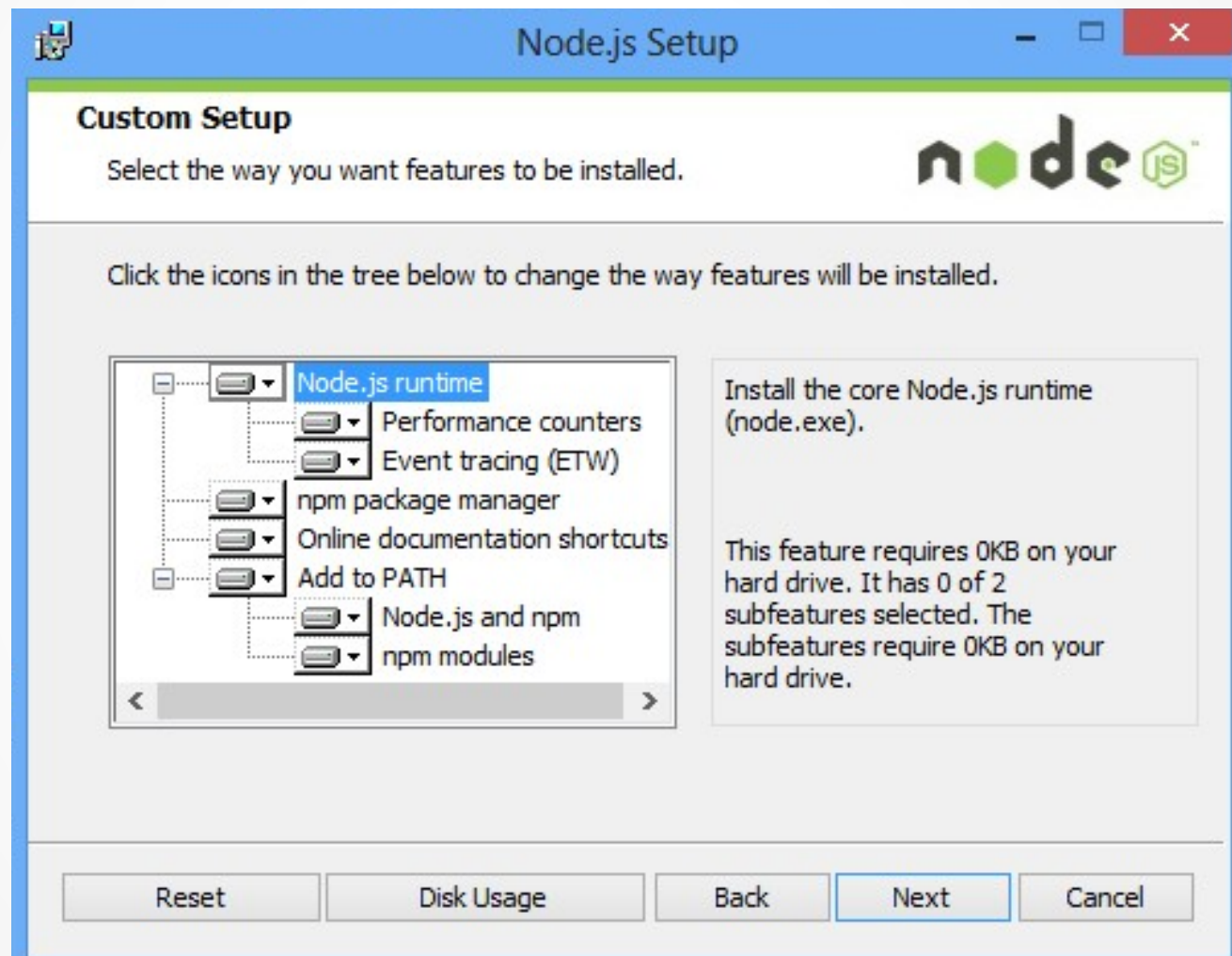
The Setup Wizard allows you to change the way Node.js features are installed on your computer or to remove it from your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Back

Next

Cancel

# Instalación



# Extensiones

```
C:\Users\Jose\Mis documentos\nodejs>npm install http
C:\Users\Jose\Mis documentos\nodejs
`-- http@0.0.0

npm WARN enoent ENOENT: no such file or directory, open 'C:\Users\
\nodejs\package.json'
npm WARN nodejs No description
npm WARN nodejs No repository field.
npm WARN nodejs No README data
npm WARN nodejs No license field.
```

# Servidor

```
var http = require('http');  
var requestListener = function (req, res) {  
  res.writeHead(200);  
  res.end('Hello, World!\n');  
}  
  
var server = http.createServer(requestListener);  
server.listen(8080);
```

# Requests

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

var options = {
  url: 'http://api.openweathermap.org/data/2.5/wea
  port: 80,
  method: 'GET'
};

request(options, function (error, response, body) {
  if (!error && response.statusCode === 200) {
    console.log(body)
  } else {
    console.log(error)
  }
})
```



# JSON

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

var options = {
  url: 'http://api.openweathermap.org/data/2.5/weathe
  port: 80,
  method: 'GET'
};

request(options, function (error, response, body) {
  if (!error && response.statusCode === 200) {
    var tiempo = JSON.parse(body);
    if (tiempo.weather[0].main === "Clear") {
      console.log("Cielo despejado");
    } else {
      console.log("Hace mal tiempo");
    }
  } else {
    console.log(error);
  }
});
```

# MongoDB

```
// Retrieve
var MongoClient = require('mongodb').MongoClient;

// Connect to the db
MongoClient.connect("mongodb://localhost:27017/unTestDB", function(err, db) {
  if(!err) {
    var collection = db.collection('personas');
    collection.find().toArray(function(err, items) {
      console.log(items);
    });
  }
});
```