

Node.js BASICS



LEARN THE
BASICS OF NODE

Node.js Basics

Rick Hernandez

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Preface

I want to take this time to say thank you and **congratulate** you for taking the first step to learning how to use Node.js. The wide adoption that Node.js has obtain over the years has been astonishing, it's a great tool for new programmers that want to start using JavaScript outside of the browser. This book is created to help you get started using Node.js in your specific operating system, along with helping you keep Node.js up to date with the latest releases.

Just like most tools this book will show clear data of when to use Node.js and who is using Node.js and how they are using it. The purpose of the book is to get you comfortable enough for you to be able to take this knowledge of Node.js and start learning to program with JavaScript or to dig deeper into more in depth parts of Node.js.

One reason or another you want to learn Node.js and this is the book that will welcome you into the world of Node.js and JavaScript.

About the Author



Rick H

Rick Hernandez works as a software developer with small to mid-size companies. He has been responsible for evaluating business requests to determine feasibility, identifying options, and recommend solutions for software development enhancements. He has assisted with interpreting customer requirements into conceptual design specifications, and has developed interfaces/prototypes and maintained software solutions. He also has written over 300+ technical publications published at [Code With Intent](http://codewithintent.com)¹. Rick has a deep passion and curiosity to help others succeed.

Say Hello

My intention with this book is to get you up and going as quickly as possible with Node.js. If for what ever reason you might have a question, comment or suggestion about the book I would encourage you to take the time and write in to rick@codewithintent.com.

¹<http://codewithintent.com>

Book Extras



Series Promo

This book includes a complete video series. The series is composed of **19+ videos** with a duration of **45+ minutes**. You can get started with the series with the following link: [Node.js Basics²](https://www.jsecademy.com/series/Nodejs%2520Basics)

All the videos can be streamed and watched at your own pace.

Who Is This Book For?

This book is created for new JavaScript programmers in mind. No programming experience is required, **you do not need to know JavaScript nor any of the web languages such as HTML/CSS**. The purpose of this book is to help you get started using Node.js. While learning to use Node.js we will explore other questions such as:

- Why was Node.js created?
- Why you need to know Node.js

²<https://www.jsecademy.com/series/Nodejs%2520Basics>

- What companies are using Node.js
- Working with the event loop
- Understanding how npm works
- Versioning in Node.js
- Why are Node.js releases named after elements in the Periodic Table?
- How to install and configure Node.js in Windows, OSX, and Linux
- Running a simple application through the Command Line

Below you will find the most common questions that I get about the book.

- Will you cover how to program with JavaScript?

No, this book is a prerequisite for the [Programming Fundamentals](#)³ series at JSecademy.

- Does the book cover advance topics such as streams, web servers, async programming, custom modules, IO read and write, setting up databases, or testing Node.js code?

No, the book is created for new programmers in mind. Topics that will be covered are Node.js basics (History, and Application), the Event Loop, npm, setup and install of Node.js in (Windows, OSX, and Linux), and executing a simple application.

Prerequisites

Before getting started with this book you need to have a clear understanding of the following tools to enable you to be successful with this book.

- Modern Development Environments

If for what ever reason you are not completely comfortable with the above requirement, I have provided for you some resources to get you going before getting started with this book.

- [“Hello” Environments | Learn Modern Development Environments](#)⁴

Throughout this series, you will learn the in’s and out’s of multiple development environments, text editors (Vi, Vim, Atom, Sublime, Brackets), understand how to work with local, virtual and private clouds (VirtualBox, Vagrant, Cloud9), you will also learn how to automate the most common task using the command line. But most importantly you will have a good understanding of what to look for when you are creating your “*ideal*” development environment.

³<https://www.jsecademy.com/series/Programming%2520Fundamentals>

⁴<https://www.jsecademy.com/series/%2522Hello%2522%2520Environments>

Code Conventions

All of the code samples are released under the MIT License. You are free to fork any part of the code and use it for any of your projects.

You can find the entire list of code samples in the following repository. [Download Code⁵](https://github.com/rick4470/basic-node/archive/master.zip)

Tips Conventions



Pro Tip

Pro Tips contain information that is well established within the professional development group of programmers.



Suggestion

A suggestion is an opinionated or suggestive comment toward a specific topic.



Warning

Warnings are well established problems or common errors.

⁵<https://github.com/rick4470/basic-node/archive/master.zip>