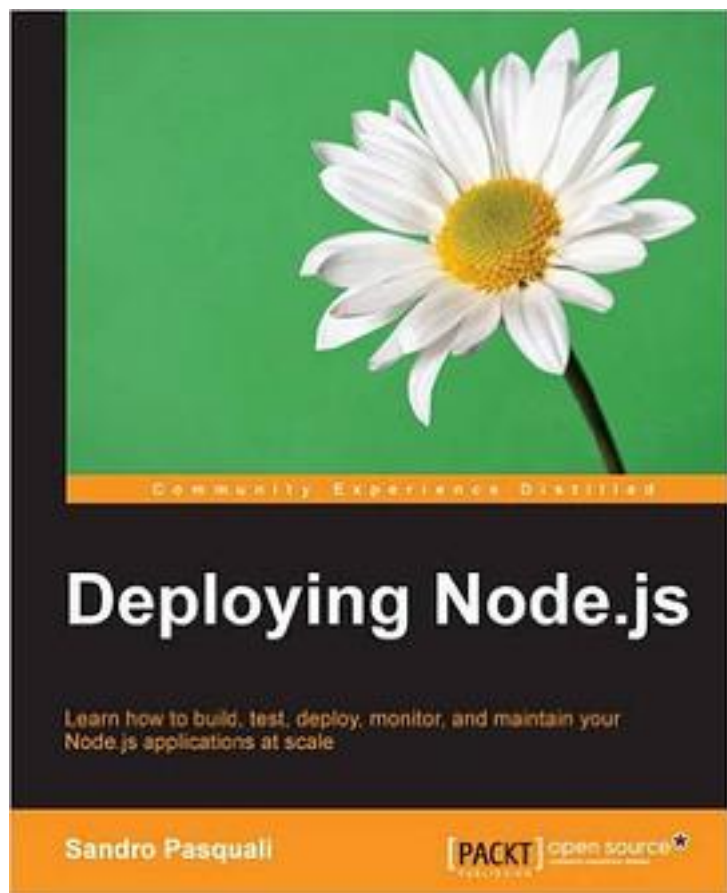


Deploying Node.js



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About This Book

Gain comprehensive information on scaling Node.js both vertically and horizontally in the cloud and across virtual machines Learn how to use Gulp, Mocha, Chai,

PhantomJS, Git, Browserify, Docker, and other tools to construct a simple, fast, and intelligent build-and-deploy system Utilize the easy-to-understand examples to explore data caching strategies, application monitoring tips and tricks, and other professional techniques that are useful for maintaining lightweight, fast, and robust applications

Who This Book Is For

If you are an intermediate or advanced developer deploying your Node.js applications, then this book is for you. If you have already built a Node application or module and want to take your knowledge to the next level, this book will help you find your way.

What You Will Learn

Learn the strengths of Node.js and how to optimize your code to make it ready for deployment into production Use Docker and Vagrant to create many virtual instances of your Node.js applications Deploy Node.js repositories to the cloud using Heroku, OpenShift, and DigitalOcean Utilize native Node.js modules, or Nginx, to load balance your applications Optimize your Node runtime by tweaking V8, managing memory intelligently, and using Redis to manage state data Discover how to use Gulp, Browserify, npm, Mocha, Chai, Sinon, and other tools to simplify your build/test/release process Manage your production deployments with Git, Jenkins, and Ansible

In Detail

Node.js is a popular choice for teams that need to design, build, test, deploy, maintain, and monitor large-scale distributed systems. Starting with a detailed overview of the Node.js architecture, this book covers topics that will help in application development, testing, deployment, and maintenance.

You will learn about concurrency, event loops, callbacks and streams. Furthermore, step-by-step instructions on deploying applications to providers such as DigitalOcean and Heroku will be provided, including information on setting up load balancers and proxies. Message queues and other techniques for managing state and session data at scale will also be covered.

A series of examples on deploying your Node.js applications in production environments are provided, including a discussion on setting up continuous deployment and integration for your team. Popular tools for testing, deploying, building, and monitoring Node.js applications are covered, helping you get up and running quickly.

作者介绍:

About the Author

Sandro Pasquali

Sandro Pasquali, in 1997, formed Simple.com, a technology company that sold the world's first JavaScript-based application development framework and was awarded several patents for deployment and advertising technologies that anticipated the future of Internet-based software. Node represents, for him, the natural next step in the inexorable march toward the day when JavaScript powers nearly every level of

software development. Sandro has led the design of enterprise-grade applications for some of the largest companies in the world, including Nintendo, Major League Baseball, Bang and Olufsen, LimeWire, AppNexus, Conde Nast, and others. He has displayed interactive media exhibits during the Venice Biennial, won design awards, built knowledge management tools for research institutes and schools, and started and run several start-ups. Always seeking new ways to blend design excellence and technical innovation, he has made significant contributions across all levels of software architecture, from data management and storage tools to innovative user interfaces and frameworks. He is the author of Mastering Node.js, also by Packt Publishing, which takes you on a deep dive into Node, teaching you how to use it to build modern, fast, and scalable networked software. Sandro runs a software development company in New York and trains corporate development teams interested in using Node and JavaScript to improve their products. He spends the rest of his time entertaining his beautiful daughter and his wife.

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