# Learning Saltstack

*By Colton Myers*



**Learning Saltstack** By Colton Myers

**Learn how to manage your infrastructure by utilizing the power of SaltStack**

## About This Book

- Execute commands and enforce the state of your entire infrastructure in seconds.
- Make managing your servers as easy as visualizing the end goal -- let SaltStack do the heavy lifting through the state system.
- Learn by doing in this step by step guide to getting started with SaltStack.

## Who This Book Is For

If you are a system administrator who manages multiple servers, then you know how difficult it is to keep your infrastructure in line. If you've been searching for an easier way, this book is for you. No prior experience with SaltStack is required.

## What You Will Learn

- Install Salt on all of your servers
- Run commands on all or some of your minions instantly from a central managing server
- Write custom Salt modules to handle your infrastructure's unique needs
- Define the state of your infrastructure and use Salt to enforce that state
- Create platform-agnostic state definitions for greater flexibility and power
- Manage virtual servers on public or private clouds using Salt Cloud
- Use the event system in Salt to create a reactive and self-healing infrastructure

## In Detail

SaltStack is one of the best infrastructure management platforms available. It provides powerful tools for defining and enforcing the state of your infrastructure in a clear, concise way.

This book will start with the installation and setup of Salt along with your first commands, and will take you through all the tools you'll need to manage your infrastructure. You'll learn how to use SaltStack's remote execution system to run commands across your whole infrastructure in seconds. Then, with SaltStack's configuration management system, you'll be able to define the state of your infrastructure in a reproducible, stable manner. You'll also learn a number of other tools within SaltStack that will allow you to create an adaptive, reactive, and self-healing infrastructure. Finally, by the end of the book, you'll be able to build a reliable, scalable, secure, high-performance infrastructure and fully utilize the power of cloud computing.

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**Learning Saltstack By Colton Myers Bibliography**

- Sales Rank: #927970 in Books
- Published on: 2015-02-27
- Released on: 2015-01-27
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .40" w x 7.50" l, .68 pounds
- Binding: Paperback
- 160 pages

## Editorial Review

About the Author

**Colton Myers**

Colton Myers is a software engineer living in Salt Lake City, Utah. Since graduating with a BS in computer science from the University of Utah, he has worked professionally writing software in Python. Colton loves working on open source software, and he has represented the US PyCon conference as a speaker multiple times. He is a SaltStack Certified Trainer and has worked on the Salt open source software for years. At the time of writing this book, Colton was working as a platform engineer for SaltStack. You can find him on Twitter and GitHub at @basepi.

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