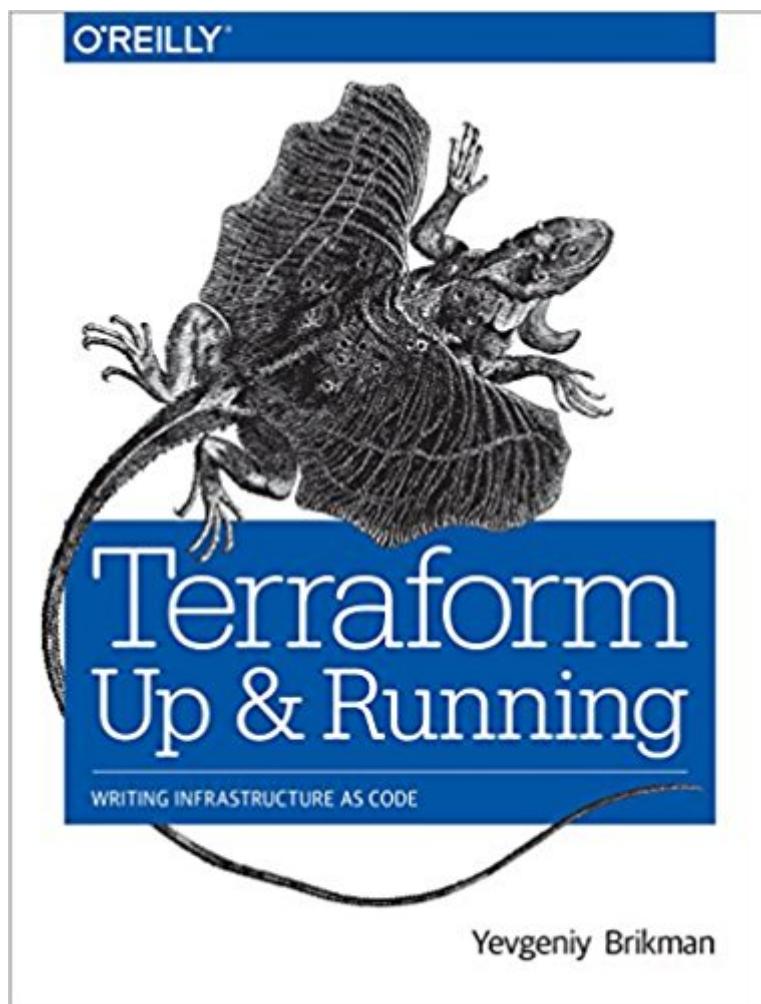


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Terraform: Up And Running: Writing Infrastructure As Code



Synopsis

Terraform has emerged as a key player in the DevOps world for defining, launching, and managing infrastructure as code (IAC) across a variety of cloud and virtualization platforms, including AWS, Google Cloud, and Azure. This hands-on book is the fastest way to get up and running with Terraform. Gruntwork co-founder Yevgeniy (Jim) Brikman walks you through dozens of code examples that demonstrate how to use Terraform's simple, declarative programming language to deploy and manage infrastructure with just a few commands. Whether you're a novice developer, aspiring DevOps engineer, or veteran sysadmin, this book will take you from Terraform basics to running a full tech stack capable of supporting a massive amount of traffic and a large team of developers. Compare Terraform to other IAC tools, such as Chef, Puppet, Ansible, and Salt Stack. Use Terraform to deploy server clusters, load balancers, and databases. Learn how Terraform manages the state of your infrastructure and how it impacts file layout, isolation, and locking. Create reusable infrastructure with Terraform modules. Try out advanced Terraform syntax to implement loops, if-statements, and zero-downtime deployment. Use Terraform as a team, including best practices for writing, testing, and versioning Terraform code.

Book Information

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Customer Reviews

Infrastructure in a box

Yevgeniy (Jim) Brikman loves programming, writing, speaking, traveling, and lifting heavy things. He

is the co-founder of Gruntwork, a company that helps startups get up and running on AWS with DevOps best practices and world-class infrastructure. He's also the author of "Hello, Startup: A Programmer's Guide to Building Products, Technologies, and Teams," a book published by O'Reilly Media that has a 4.9/5.0 rating on [Amazon](#) and 4.5/5.0 rating on GoodReads. Previously, he worked as a software engineer at LinkedIn, TripAdvisor, Cisco Systems, and Thomson Financial and got his BS and Masters at Cornell University. For more info, check out [ybrikman.com](#).

This is a very good introduction to terraform. It starts with a chapter that motivates the technical decision to use terraform, then moves on to a basic example. The best part for me is the best practice recommendations, especially the suggested file/directory layouts. This helped me get a bigger picture in my head of how to organize my projects. One thing that was a little difficult was getting remote state to work, since the book is based on version 0.8.x, and 0.9.6 is out (as of 2017-05-27). This latest version of terraform has deprecated remote state in favor of remote backends. Complicating the matter was my AWS account is old enough so it has VPC and EC2 classic enabled, so it apparently requires more VPC-specific settings. However, none of that is the fault of the author. I'd recommend this book to anyone wanting to move away from clicking buttons in consoles to set up their infrastructure.

This book did a good job at describing Terraform and related options/alternatives in an understandable way. The author is obviously an expert in this area. The code examples and practical project organization examples were quite helpful. There is still a fair amount of "foo/bar" which doesn't help in the practical application but still adds to the understanding. I recommend it as a starting point to someone embarking on Terraform and Infrastructure as Code efforts.

Good book and it got me started. Terraform is moving quickly and some info in the book is no longer accurate. For instance remote state. But all in all I would recommend.

Great book! Easy to understand. It reinforces my belief in terraform and infrastructure as code concept. Highly recommended! Five star!

Really good run through Terraform with gotchas and best practices. I wish the testing chapter had a bit more examples of different types of tests

1. Excellent book to get started with Terraform.
2. Great examples building up from simple use case to modules.

An excellent book to introduce you to HashiCorp Terraform and the rationale behind it vs. other, more common infrastructure tools. Very well written and a pleasure to work through. Be aware, however, that the version of Terraform against which this book was written has been superseded by newer versions (v0.9.6 at the time of this writing) in which a number of the commands from the book have changed/been deprecated. That said, some commands listed in the book will not work with the latest released version of Terraform. The concepts however remain the same, so it turns out to be a good learning exercise to figure out what's changed between versions and why. I hope the author will release an updated version of the book once Terraform reaches 1.0+ release version. All that said, still well worth your time and money. :)

is a really good starting point and have some good tricks on how to use terraform on production environments

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