



gruntwork-io / intro-to-terraform



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This repository was archived by the owner on Feb 24, 2023. It is now read-only.



Sample code for the blog post series "A Comprehensive Guide to Terraform."

🔗 blog.gruntwork.io/a-comprehensive-guide-to-terraform-b3d32832baca

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brzikis98 Update README to indicate this repo is deprecated (#31) ⋮

a6239db · 4 years ago ⏲

📁 .circleci	Update deprecated circleci i...	4 years ago
📁 .github	Update PR Template (#27)	4 years ago
📁 cluster-of-web-servers	Terraform 1.1 upgrade (#24)	4 years ago
📁 database	Terraform 1.1 upgrade (#24)	4 years ago
📁 live	Terraform 1.1 upgrade (#24)	4 years ago
📁 loops-with-count	Terraform 1.1 upgrade (#24)	4 years ago
📁 loops-with-for-each	Terraform 1.1 upgrade (#24)	4 years ago
📁 loops-with-for	Terraform 1.1 upgrade (#24)	4 years ago
📁 modules/services/web...	Unlock AWS provider v4. Req...	4 years ago
📁 s3-backend	Terraform 1.1 upgrade (#24)	4 years ago
📁 single-web-server	Terraform 1.1 upgrade (#24)	4 years ago
📁 test	Terraform 1.1 upgrade (#24)	4 years ago
📄 .gitignore	Terraform v0.14 update (#16)	5 years ago

	.pre-commit-config.yaml	Add Terraform Validate test (...)	5 years ago
	CODEOWNERS	Update codeowners (#29)	4 years ago
	LICENSE.txt	Add basic Terraform code ex...	10 years ago
	README.md	Update README to indicate t...	4 years ago

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NOTE: This repo is now archived and replaced!

This repo contains the sample code for the blog post series [A Comprehensive Guide to Terraform](#), which we turned into the book [Terraform: Up & Running](#), with its own [code examples repo](#).

Instead of maintaining two examples repos, we have decided to maintain just one. This repo

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Original content (saved for posterity)

An Introduction to Terraform Sample Code

This repo contains the sample code for the blog post series [A Comprehensive Guide to Terraform](#). The examples correspond to the following parts of the series:

1. [An Introduction to Terraform](#)
 - o [single-web-server](#): Deploy a single EC2 Instance with a web server that will return "Hello, World" for every request on port 8080.
 - o [cluster-of-web-servers](#): Deploy a cluster of EC2 Instances in an Auto Scaling Group (ASG) and an Elastic Load Balancer (ELB). The ELB listens on port 80 and distributes load across the EC2 Instances, each of which runs the same "Hello, World" web server.
2. [How to Manage Terraform State](#)
 - o [s3-backend](#): Create an S3 bucket and DynamoDB table to use as a Terraform backend.
 - o [database](#): Deploy MySQL on top of Amazon's Relational Database Service (RDS).

[3. How to create reusable infrastructure with Terraform modules](#)

- o [modules](#): Examples of reusable Terraform modules, including a module that can deploy a web server cluster on top of ASG with an ELB.
- o [live](#): Examples of how to deploy different live environments (i.e., staging, production) using the code from the `modules` folder.

[4. Terraform tips & tricks: loops, if-statements, and pitfalls](#)

- o [loops-with-count](#): Examples of how to use the `count` parameters to "loop" over resources.
- o [loops-with-for-each](#): Examples of how to use `for_each` to "loop" over inline blocks.
- o [loops-with-for](#): Examples of how to use `for` to "loop" over individual values.

Quick start

Note: These examples deploy resources into your AWS account. Although all the resources should fall under the [AWS Free Tier](#), it is not our responsibility if you are charged money for this.

1. Install [Terraform](#).
2. Set your AWS credentials as the environment variables `AWS_ACCESS_KEY_ID` and `AWS_SECRET_ACCESS_KEY`.
3. `cd` into one of the example folders.
4. Run `terraform init`.
5. Run `terraform apply`.
6. After it's done deploying, the example will output URLs or IPs you can try out.
7. To clean up and delete all resources after you're done, run `terraform destroy`.

License

Please see [LICENSE.txt](#) for details on how the code in this repo is licensed.

Releases

No releases published

Packages

No packages published

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Languages

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