Continuously Deliver your **Blog as Code** with Terraform

Hello!

I am Tracy P Holmes

I am here because I'm back in Engineering, & scared all over again.

You can find me at @tracypholmes (& my team at @vmwopensource!)



1. Background (me!)

Let's start with a bit of who I am

(66)

"Every day the clock resets. Your wins don't matter. Your failures don't matter. Don't stress on what was, fight for what could be." -Sean Higgins

2. Background (talk)

Where did this idea come from?!

My blog process is somewhere between these two things...





So I thought...why not use Terraform

What is Terraform

It's an Infrastructure as Code tool for creating hybrid or multi-cloud environments.

For instance if you needed to use VMware, AWS, and GCP, you can configure and deploy it all at once (in one file).

Or...if you wanted to order a pizza from Domino's and tweet about it.

What is a provider

Providers are plugins that implement the resource types so you aren't having to deal with API calls and whatnot yourself.

In the previous example, the diff housing types are the providers. (66)

Please don't send me anything to correct the example! I use that as an easy explanation. It may not be correct down to the comma, but it gets the point across!

The only provider I found was for Medium.

Issue #1

The provider was hinky (I talked to the person that created it).

Issue #2

I didn't really want to use Medium since they changed to members-only content. Not everyone is able to pay, so that's a no in my book.

Issue #3

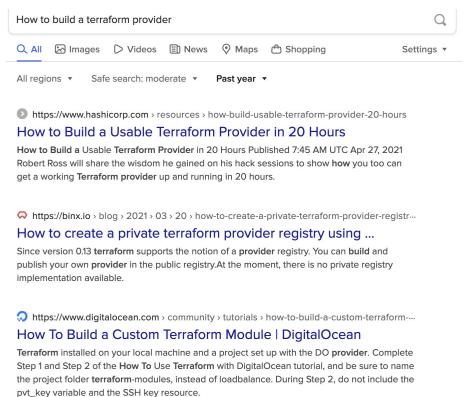
dev.to didn't have a provider. Bummer.



3. Dev.to Provider

Wait - how do you build a provider

Umm..but HOW do you build a provider?!



That said, I didn't actually do that. Because I'm stubborn.

- Terraform has a wonderful Plugin SDK team that provides an awesome "quick start" repo as a starting point to creating providers. You can find it here https://github.com/hashicorp/terraform-provider-sca ffolding.
- I love the team, and they appreciate feedback. So, that's what I decided to use.
- Now, I needed to find out if an API was even available
 (that should've come first)

Researching the API

DEV Community API Keys

You can generate personal API keys to use for authentication with the DEV Community API. The API is still in its beta stage. The documentation contains further information.

Generate a new Key

Description

What's this API key for?

Except...

Issue #1

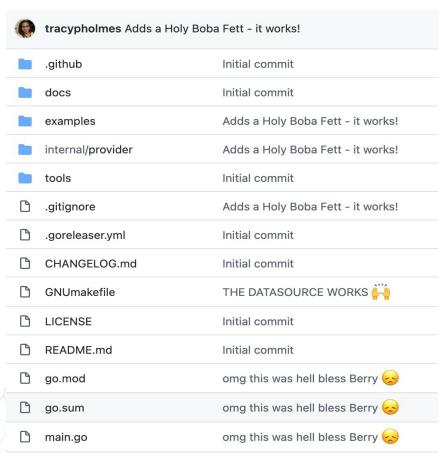
It's still in early stages (currently Beta).

Issue #2

The dev.to API is built on top of Forem - there isn't an API built specifically for dev.to..

I kept that for documentation, as a bit more research brought me to gophorem(https://github.com/ShiraazMoollatjie/gophorem), which is a REST API Wrapper for Forem API written in go.

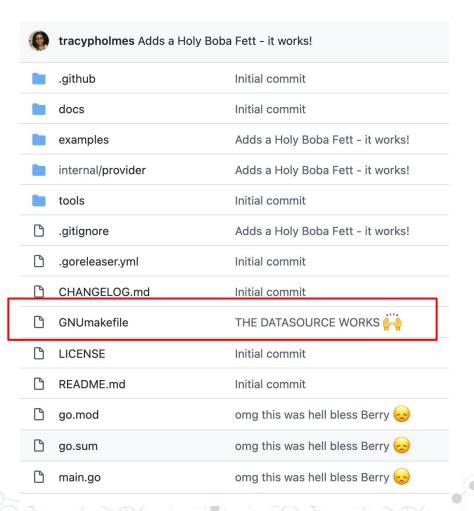
Actually building the @(*@\$(%*Y@# thing



We decided to test basic stuff - so the first thing we attempted was to pull a list of articles (whether draft, or published, etc).

You'll see the previous slide at least once more.

- I (to this day and one of the reasons I needed to do this) tend to comment more than anything. So, I created a draft post as a test.
- The other thing I ran across was documentation issues.
- Code diving is what ended up happening. The structs in this file got us going https://github.com/ShiraazMoollatjie/gophorem/blob/master/pkg/gophorem/articles.go



4. Status Update

Where I am now, and how I got here





Thanks!

Any questions?

You can find me at:

- @tracypholmes and also
- @vmwareopensource



Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by <u>SlidesCarnival</u>
- <u>learn.hashicorp.com</u> Terraform Provider Tutorial
- Terraform Provider Template - <u>https://github.com/hashicorp/terraform-provider-sca</u> <u>ffolding</u>