

Terraform Take Home Assignment

Guide

- We encourage you to write the code to be production ready.
- Consider all questions as a green field project that you can design as you want.
- You should store each answer in a dedicated directory following the pattern *questions/[question number]/[files]*.
- Estimated time for this project 3-6 hours.
- Compact the directory questions with all answers in it and e-mail back to your contact at Hustle.

Questions

1. Random Public IP

One of our applications runs on a site that has no fixed Public IP. We have a pipeline that runs terraform periodically and updates the firewall rule that allows access from this application to our main Cloud Provider.

You've been tasked with to code a terraform module that outputs the outgoing IP address of this server.

Note: You can assume that the pipeline runs from the same server as the application.

2. Modules dependency

You should create a terraform module that receives a string as input and outputs the message received. Then, your main file should call the module twice with the following messages, respectively:

- "I am message one"
- "I am message two"

The modules should be executed in order and the messages printed with double quotes.

3. Testing your code

Write any terraform code with a minimum of three resources including tests.