

Home Assignment

We would like to provision infrastructure in Amazon that will be used to deploy a web application. Please use terraform to start a VPC (Virtual Private Cloud) with 2 EC2 instances and PostgreSQL RDS instance. These 2 instances should be connected to an ELB (elastic load balancer).

All provisioned resources should fit inside the AWS free tier offering. Deploying the application on the machines is out of scope for this assignment.

Questions (theoretical, please do not implement):

1. What else needs to be done to access the LB and get a response from the instances?
2. Does it matter in which availability zones the instances reside in?

Bonus questions:

1. What security measures would you add to the application once it is deployed?
2. What monitoring metrics would you add for support to make sure the app is operational?
3. What happens when you change your Terraform code and run terraform apply again? How does terraform decide what should be done?