

SRE Infrastructure Challenge

DISQO's marketing team is in need of publishing a web blog.

You are asked to automate the secure deployment of a proposed change managed infrastructure as code solution; solving for availability, scalability, to automatically deploy and configure such a blog.

The proposed solution is a containerized WordPress open source stack pod configured by a Helm chart, deployed in AWS EKS as the k8s engine, using Terraform. To solve for data persistency among pods, use RDS and EFS for a Shared DB and static content storage.

Please use the git repository provided as you develop your solution. For this exercise, worry more about showing the progression of your work and less about the cleanliness of your commit/merge history.

The repository can be accessed using the pubkey you provided.

Notes:

- The articulated solution is a proposal and should be considered as such, feel free to get creative and solve it using other tools of your preference.
- Please provide instructions for redeploying the stack from scratch in the readme and provide access to validate the running application and its infrastructure
- This exercise is intended to mimic real-world engineering scenarios where you will be asked to balance engineering quality with deadlines. You will be judged both on your ability to produce functioning output and on how polished that product is.
- At your onsite interview, we will have a whiteboarding session during which we can talk through the tradeoffs that were made and the directions in which you would continue to refine this project
- Candidates have been able to successfully complete this challenge, on average, in 4 hours of uninterrupted work. Since this is a take-home assignment, we want to strike a balance between your convenience and ensuring test consistency. **You will have 72 hours to complete the challenge once this email is sent.** Commit times will be verified: please be respectful of this time limit.

Good Luck!