

DevOps TECHNICAL TEST

1. IaC test

- Provide infrastructure as code to deploy WordPress using containers (**any container orchestrator**) on a cloud provider of your choice (**AWS and Terraform are preferred**).
- The service should be able to autoscale.
- The infrastructure should notify by email if there is any issue.
- We are looking to optimize infrastructure costs for a variable load, minimizing fixed costs

Provide the code for the solution.

2. CI/CD test

Write a brief textual answer on the following questions (around one page) and attach a diagram for a model CI/CD pipeline.

- How do you setup an end-to-end pipeline from dev to deployment for this scenario? (long answer)
- Comment on which tools would you recommend, CI/CD tools, steps of the CI/CD cycle
- How could code quality and security fit into the ci/cd pipeline?

Provide a configuration file of this pipeline in the CI/CD system of your choice (Jenkins, Gitlab, Github, etc.).

3. Monitoring test

- Provide a solution to monitor the basic compute resources of a host (CPU, RAM, IO, etc).
- There should be a dashboard to visualize the logs of the monitoring services.
- You can use any tech stack (Ex. ELK, Grafana + Prometheus)

Provide the code (or configuration files) for the solution.