

DevOps Test

Congratulations on getting to this stage and thank you for taking the time to solve the following exercise. To successfully complete the test please take into account all the requirements listed below. If you have time and wish to showcase your skills please complete the bonus requirements as well.

In your repository you should include:

- A text file describing the decisions you've taken in order to implement your solution
- The source code to solve the task
- A readme file with all the instructions that you think will be useful for us to test your solution.

Best of luck.

NOTE: Keep in mind that you should keep your repository private. You can use <https://github.com> to create an account with free private repos. Once you are done you can share your repo with hiring-novafutur (hiring@novafutur.com) on GitHub.

Technical Test

Provision a highly available [Wordpress](#) cluster on [Kubernetes](#).

- Use any configuration management tool. You can create the solution in any language or framework of your choice. (We use terraform internally, but it's totally up to you)
- A clean bare minimum working infrastructure is preferred than a full blown solution pieced together with scissors, rope and duct tape. Do not skip security considerations.

Requirements

- In your solution please emphasize on readability, maintainability and DevOps methodologies. We expect a clear way to recreate your setup.
- Since you have to have an HA cluster, please use a self signed certificate for HTTPS.
- Detailed instructions on how to use the code you have created.
- Create the kubernetes manifest file to define the wordpress services as well as the container networking.
- Wordpress high available using persistent volume claims.
- Provision Wordpress Database to be created on cloud sql or similar
- Horizontal Autoscaler based on wordpress best practices for PODS

Bonus Points

- Deployment on any cloud provider

- Install a wordpress cache option using Redis or Memcached