

Test task for DevOps Engineer

1.

1.1 Create a shell scenario, which dependently on taken argument starting two different custom Docker images in interactive mode, using your preferred CLI interpreter.

1.2 Generate and keep in the repository in secure way SSH key for Ansible/Terraform remote access.

- Ansible container must include:
 - o Latest stable versions of Ansible and AWS CLI packages.
 - o Your most widely used CLI tools(determined in an obvious way).
 - o Environment variables:
 - A couple of typical Ansible config system variables.
 - One quick bash alias/function for ansible run.
 - AWS CLI authentication keys(or use an alternative authentication method)
 - o Attach as volumes:
 - Directory with simple Ansible playbook, role, and inventory.
 - Directory with a previously generated SSH key.
- Terraform container must include:
 - o Latest stable version of Terraform, compiled from source.
 - o Your most widely used CLI tools(determined in an obvious way).
 - o Define environment values for:
 - Terraform AWS authentication data.
 - Quick shell aliases for "terraform init", "terraform plan" and "terraform apply"
 - o Attach as volume:
 - Directory with terraform resources which creates minimal AWS EC2 configuration.
 - Directory with a previously generated SSH key.

2.

Create a docker-compose file, which runs nginx+php-fpm+(Redis or Memcached) as separate services in a custom common network.

2.1 Only Nginx should be available outside.

2.2 phpinfo() as index page on default virtual host in Nginx.

P.S.

- Make init commit at the task beginning. And push code during the process into the public git repository at least every hour.
- Be free to contact me for getting details: yehor.ivanov@gen.tech
- Do not worry a lot about Terraform resources operability, if you do not have AWS free tier usage access. Create them following the documentation and your intuitive way.
- Time to complete: approximately 6-8 hours. But you can spend even more :)
- Feels free to improvise and improve solutions.
- The results will be reviewed in any condition.