

**ACESY TECH SARL**

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***Object: Test for recruiting new K8S Clutster Operator interns at ACESY Ltd***

✚ What is this?

This is the subject of the test for recruitment of a new Kubernetes cluster operator intern at ACESY Ltd.

✚ What is the aim of this test?

This test aims at testing your proficiency to work and operate on a Kubernetes cluster.

**Note:** It's just about ensuring that you have the minimum requirements.

✚ What is it about?

The test is simple, you have to deploy a state full application on a k8s cluster and be able to scale it. You cloud choose any Opensource state full application like Odoo, Owncloud but we strongly advise you to work with Owncloud

**Technology stack to be used in this project**

- ❖ Kubernetes
- ❖ Minikube
- ❖ Docker

**Advice on a path to follow**

- ❖ Fork this GitHub repository;
- ❖ Clone it on your computer (It will contain all set of your project);
- ❖ Deploy kubernetes using Minikube;
- ❖ Deploy k8s dashboard;



- ❖ Write Docker files suit for the deployment of your state full application;
- ❖ Write k8s deployment files;
- ❖ Apply them on your cluster;
- ❖ Make a video record as a demo (max 3 min) and be ready to share this video with us.

### **Bonus**

- ✚ Write a script (automate.sh) to automate the process you just done up here.

### **Additional instructions**

- ❖ You should provide any command or config files using during this test;
- ❖ Commit your project at each step listed below;
- ❖ Commit done after the expected deadline will not be consider;
- ❖ Only the master branch will be checked.

Send your project to [gabin.nguenda@acesy.net](mailto:gabin.nguenda@acesy.net) with the following subject K8S Cluster Operator internship candidate - \${YOUR\_NAME} In the content of your mail send us the link to the GitHub repository of this project and your CV.

### **About ACESY Ltd**

ACESY Ltd is a cloud provider company. We build software to leverage companies' acquisition, deployment, and usage of software to run their business Good luck!! see you at ACESY Ltd.

The General Directorate