

Assignment

The assignment is to create and then send to Ox Security IAC (Infrastructure as Code) of the following:

1. A script to deploy a minikube cluster (ie: [minikube](#) start)
2. A script to deploy redis server helm chart on the cluster (ie: [Redis](#))
3. A helm chart defining a deployment with a single container, that container should have the ability to connect to the redis server (ie: [redis - Official Image | Docker Hub](#)). The deployment should remain up, allowing the user to “exec” into the container to run redis commands.
4. A script to deploy the above helm chart on the cluster
5. A script to “exec” to the deployment and set a new key in the redis server (OxKey) with a value (OxValue)
6. A script to “exec” to the deployment and get the value of the key (OxKey) and print it back out.

Please feel free to choose whichever preferred scripting language you want, Python, Bash, Terraform, Ansible, etc. you are encouraged to add comments where you believe they are appropriate to better understand your logic and intentions. When submitting the assignment, please package all files together in a .tar or .zip file. Please include a readme file to explain how you expect the scripts to be triggered.

That means the cluster should be up and running with redis and the deployment.