**Octraine-Playbook:**

These are the steps to run Octraine in Google Cloud Platform.

1. Install minikube on the terminal brew install minikube
2. Launch minikube l minikube start
3. Launch Octraine scanning tool kubectl apply -f https://raw.githubusercontent.com/octarinesec/kube-scan/master/kube-scan.yaml

kubectl port-forward --namespace kube-scan svc/kube-scan-ui 8080:80

Then set your browser to http://localhost:8080.

## **Using a load-balancer service**

* This method assumes you are using a cloud provider that provides load balancers.

kubectl apply -f https://raw.githubusercontent.com/octarinesec/kube-scan/master/kube-scan-lb.yaml

Then get the load-balancer address by

kubectl -n kube-scan get service kube-scan-ui -o jsonpath={..ip}

or

kubectl -n kube-scan get service kube-scan-ui -o jsonpath={..hostname}

1. Deploy application kubectl create deployment hello-minikube --image=k8s.gcr.io/echoserver:1.4  
   kubectl expose deployment hello-minikube --type=NodePort --port=8080
2. Load the balancers kubectl create deployment balanced --image=k8s.gcr.io/echoserver:1.4   
   kubectl expose deployment balanced --type=LoadBalancer --port=8080

After running the application and executing pen testing practices, we need to connect the results to Grafana in the format of a json file that’s downloaded from Google Cloud Platform.