Promenthus is another monitoring tool available as docker image.

Steps to setup promenthus on kubernates cluster

1. Login to IBM cloud
2. From Dashboard go to Cluster and click on your kubernates cluster
3. Open web terminal beta
4. Create namespace monitoring using below command
   1. kubectl create namespace monitoring
5. Create a yaml file named clusterRole.yaml
   1. Vi clusterRole.yaml
   2. copy content from this file and save



1. Create the role using the following command
   1. kubectl create -f clusterRole.yaml
2. Create a config map using config-map.yaml .
   1. Vi config-map.yaml
   2. Copy the content from this file in config-map.yaml  and save



1. Execute the following command to create the config map in kubernetes.
   1. kubectl create -f config-map.yaml -n monitoring
2. Create a file named prometheus-deployment.yaml
   1. Vi prometheus-deployment.yaml
   2. Copy the content from this file in prometheus-deployment.yaml and save



1. Create a deployment on monitoring namespace using the above file.
   1. kubectl create  -f prometheus-deployment.yaml --namespace=monitoring
2. Check deployment using below command
   1. kubectl get deployments --namespace=monitoring
3. Expose Promenthus service with nodeport by creating prometheus-service.yaml
   1. Vi prometheus-service.yaml
   2. Copy the content from below file and save



1. Create service using following command
   1. kubectl create -f prometheus-service.yaml --namespace=monitoring
2. Once created Promenthus can be accessible at <public-ip>:30000



