\*\*#AIV installation guide on Kubernetes\*\*

This README will guide you through the steps to install AIV on EKS Cluster.

\*\*Prerequisites\*\*

• kubectl and eksctl command is installed on your machine (You can follow the tutorial : <https://docs.aws.amazon.com/eks/latest/userguide/install-kubectl.html>)

• EKS Cluster

• Administrator access of your cluster and Kubernetes API

• AIV GitHub repo

\*\*Step 1: Clone AIV repo on the machine where you configured EKS access.\*\*

<pre>

git clone <GitHub repo URL>

cd docker-aiv/kubernetes

</pre>

\*\*Step 2: Configure EKS cluster setup on your machine.\*\*

<pre>

eksctl utils write-kubeconfig --cluster=<Cluster Name> --region=<AWS Region>

eksctl get cluster --region <AWS Region>

</pre>

\*\*Step 3: Update the YML files as per your requirement.\*\*

<pre>

ls -a

kubectl apply -f namespace.yml

kubectl apply -f storage\_class.yml -n aiv

kubectl apply -f ebs-pvc.yml -n aiv

kubectl apply -f secrets.yml -n aiv

kubectl apply -f aiv-deployment.yml -n aiv

kubectl apply -f aiv-ai-deployment.yml -n aiv

kubectl apply -f service.yml -n aiv

kubectl apply -f ingress.yml -n aiv

</pre>

\*\*Step 3: Test all pods, nodes, SVC, PVC, Ingress, etc is running or not.\*\*

<pre>

kubectl get pod -n aiv

kubectl get svc -n aiv

kubectl get ingress -n aiv

kubectl get pvc -n aiv

</pre>