**Kubernetes Dashboard Setup**

**Step1**

**To deploy the Kubernetes dashboard, Login to ec2 machine and run the following commands**

1. Deploy the Kubernetes dashboard to your cluster:

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/dashboard/v1.10.1/src/deploy/recommended/kubernetes-dashboard.yaml>

1. Deploy heapster to enable container cluster monitoring and performance analysis on your cluster:

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/heapster/master/deploy/kube-config/influxdb/heapster.yaml>

1. Deploy the influxdb backend for heapster to your cluster:

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/heapster/master/deploy/kube-config/influxdb/influxdb.yaml>

1. Create the heapster cluster role binding for the dashboard:

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/heapster/master/deploy/kube-config/rbac/heapster-rbac.yaml>

**Step2**

## Create an eks-admin Service Account and Cluster Role Binding

1. Create a file called eks-admin-service-account.yaml

apiVersion: v1

kind: ServiceAccount

metadata:

name: eks-admin

namespace: kube-system

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apiVersion: rbac.authorization.k8s.io/v1beta1

kind: ClusterRoleBinding

metadata:

name: eks-admin

roleRef:

apiGroup: rbac.authorization.k8s.io

kind: ClusterRole

name: cluster-admin

subjects:

- kind: ServiceAccount

name: eks-admin

namespace: kube-system

1. Apply the service account and cluster role binding to your cluster:

**kubectl apply -f eks-admin-service-account.yaml**

## Step 3

## Connect to the Dashboard

1. Retrieve an authentication token for the eks-admin service account. Copy the *<authentication\_token>* value from the output. You use this token to connect to the dashboard.

**kubectl -n kube-system describe secret $(kubectl -n kube-system get secret | grep eks-admin | awk '{print $1}')**

1. Start the **kubectl proxy**.

**kubectl proxy**

1. Open the following link with a web browser to access the dashboard endpoint:

<http://localhost:8001/api/v1/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy/#!/login>

1. Choose **Token**, paste the *<authentication\_token>* output from the previous command into the **Token** field, and choose **SIGN IN**.


                        Kubernetes token auth
                    