AWS EKS and Kubernates on AWS



kubernates Development



setup contents



**1.setup eks cluster master node**

* first go to aws console --> go to eks --> EKS --> cluster name --> cluster version --> (create role -->in roles select EKS -->EKS cluster-->AmazonEKSClusterPolicy-->role name)-->next
* Networking -->default VPC -->default subnets -->cluster end points-->public-->next
* configure logging -->all disabled
* review and create

**2.install aws CLI**

**3.configure aws CLI:** aws configure

**4.Installing kubectl :**

use of kubectl is to find status of master node and worker node

**5.Run the below command after installing kubectl in CLI**

**aws eks --region us-east-2 describe-cluster --name <clustername> --query cluster.status**

6.**Configure kubectl with EKS API server credential**

**aws eks --region us-east-2 update-kubeconfig --name <clustername>**

7. **validate kubectl configuartion to master node**

**kubectl get svc**

**8. Configuring the worker nodes**

add node group in aws console -->node group name -->(create role -->ec2 -->permissions-->AmazonEKS\_CNI\_Policy,AmazonEKSWorkerNodePolicy,AmazonEC2ContainerRegistryReadOnly