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Reference Video: https://youtu.be/LoJM3eP9ow0 [Atiq Rahman]
Step 1: open cloudshell in AWS and run all the below commands step wise
Step 2: check for the Wordpress website in browser by using Load Balancer DNS link in 8080 port
Task-1 Create Cluster
1. Curl --silent --location
"https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_$(uname -s)_amd64.tar.gz" |
tar xz -C /tmp
2. sudo mv /tmp/eksctl /usr/local/bin
3. eksctl create cluster --name wordpress-cluster
4. aws eks update-kubeconfig --region ap-south-1 --name wordpress-cluster
Task-2 Install Helm
1. sudo yum install openssl -y
2. curl https://raw.githubusercontent.com/helm/helm/master/scripts/get-helm-3 > get_helm.sh
3. chmod 700 get_helm.sh
4. ./get_helm.sh
Task-3 Setup EBS CSI addon (OIDC IAM) for EKS:
1. oidc_id=$(aws eks describe-cluster --name wordpress-cluster --query
    "cluster.identity.oidc.issuer" --output text | cut -d '/' -f 5)
2.aws iam list-open-id-connect-providers | grep $oidc_id | cut -d "/" -f4
3. eksctl utils associate-iam-oidc-provider --cluster wordpress-cluster --approve
Task-4 IAM Role for eksctl:
eksctl create iamserviceaccount \
--name ebs-csi-controller-sa \
--namespace kube-system \
--cluster wordpress-cluster \
--attach-policy-arn arn:aws:iam::aws:policy/service-role/AmazonEBSCSIDriverPolicy \
--approve \
--role-only \
--role-name AmazonEKS_EBS_CSI_DriverRoleWordpress
#Adding EBS CSI to EKS:
eksctl create addon --name aws-ebs-csi-driver --cluster wordpress-cluster --service-account-role-
arn arn:aws:iam::167613117387:role/AmazonEKS_EBS_CSI_DriverRoleWordpress --force
#Install Wordpress thru Helm:
helm repo add bitnami <a href="https://charts.bitnami.com/bitnami">https://charts.bitnami.com/bitnami</a>
helm install my-release --set wordpressUsername=admin --set wordpressPassword=defaultpass
bitnami/wordpress
(check for Wordprss website with LoadBalancer DNS link)
#delete Total Cluster
eksctl delete cluster wordpress-cluster
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Project: **Deploy Wordpress on EKS cluster thru eksctl with Helm**[AWS EKS + Cloudshell + CloudFormation]