

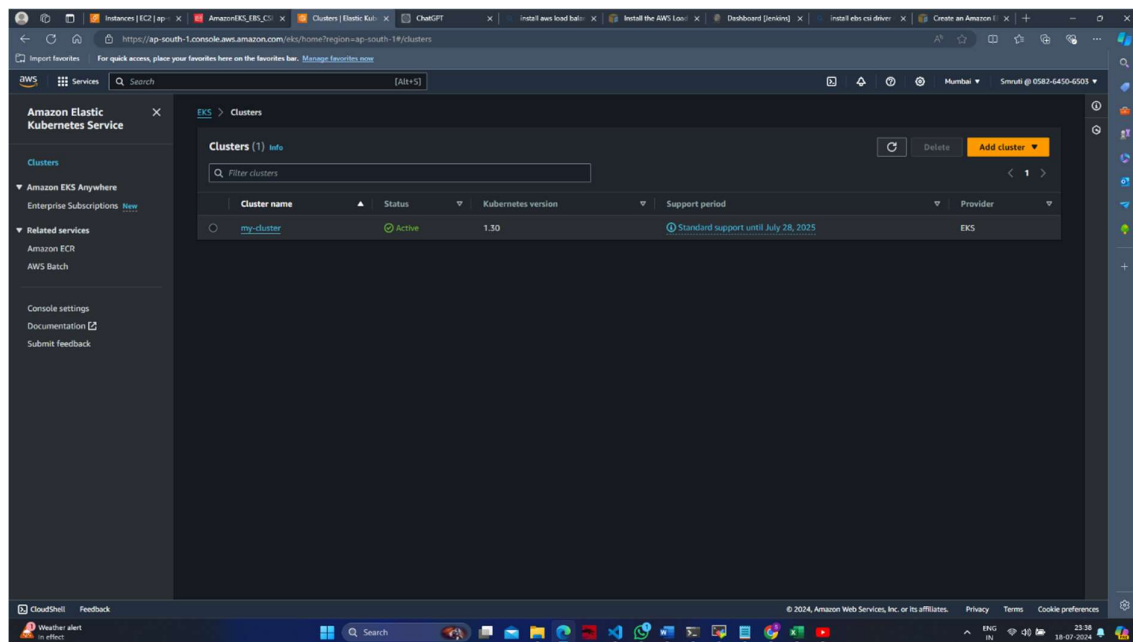
Project-2

Q. Create a pipeline and deploy it using docker, Jenkins, github, argocd and kubernetes.

Create a cluster named my-cluster

```
C:\Users\Sravati Sorav>eksctl create cluster --name my-cluster --node-type t3.medium --nodes 2 --managed --asg-access
2024-07-18 20:47:28 [i] eksctl version 0.183.0
2024-07-18 20:47:28 [i] using region us-east-1
2024-07-18 20:47:29 [i] skipping us-east-1e from selection because it doesn't support the following instance type(s): t3.medium
2024-07-18 20:47:29 [i] setting availability zones to [us-east-1a us-east-1d]
2024-07-18 20:47:29 [i] subnets for us-east-1a - public:192.168.0.0/19 private:192.168.64.0/19
2024-07-18 20:47:29 [i] subnets for us-east-1d - public:192.168.32.0/19 private:192.168.96.0/19
2024-07-18 20:47:29 [i] nodegroup "ng-fa78bafa" will use "" [AmazonLinux2/1.30]
2024-07-18 20:47:29 [i] using Kubernetes version 1.30
2024-07-18 20:47:29 [i] creating EKS cluster "my-cluster" in "us-east-1" region with managed nodes
2024-07-18 20:47:29 [i] will create 2 separate CloudFormation stacks for cluster itself and the initial managed nodegroup
2024-07-18 20:47:29 [i] if you encounter any issues, check CloudFormation console or try 'eksctl utils describe-stacks --regionus-east-1 --cluster=my-cluster'
2024-07-18 20:47:29 [i] Kubernetes API endpoint access will use default of (publicAccess=true, privateAccess=false) for cluster "my-cluster" in "us-east-1"
2024-07-18 20:47:29 [i] CloudWatch logging will not be enabled for cluster "my-cluster" in "us-east-1"
2024-07-18 20:47:29 [i] you can enable it with 'eksctl utils update-cluster-logging --enable-types={SPECIFY-YOUR-LOG-TYPES-HERE (e.g. all)} --regionus-east-1 --cluster=my-cluster'
2024-07-18 20:47:29 [i]
2 sequential tasks: { create cluster control plane "my-cluster",
2 sequential tasks: {
    wait for control plane to become ready,
    create managed nodegroup "ng-fa78bafa",
}
}
2024-07-18 20:47:29 [i] building cluster stack "eksctl-my-cluster-cluster"
2024-07-18 20:48:01 [i] deploying stack "eksctl-my-cluster-cluster"
2024-07-18 20:48:32 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:49:33 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:49:36 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:51:36 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:52:36 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:53:37 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:54:38 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:55:39 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:56:41 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:57:42 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 20:58:43 [i] waiting for CloudFormation stack "eksctl-my-cluster-cluster"
2024-07-18 21:00:54 [i] building managed nodegroup stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:00:56 [i] deploying stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:00:56 [i] waiting for CloudFormation stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:01:27 [i] waiting for CloudFormation stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:02:28 [i] waiting for CloudFormation stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:04:03 [i] waiting for CloudFormation stack "eksctl-my-cluster-nodegroup-ng-fa78bafa"
2024-07-18 21:04:03 [i] waiting for the control plane to become ready
2024-07-18 21:04:04 [i] saved kubeconfig as "C:\Users\Sravati Sorav\.kube\config"
2024-07-18 21:04:04 [i] no tasks
2024-07-18 21:04:04 [i] all EKS cluster resources for "my-cluster" have been created
2024-07-18 21:04:04 [i] created 0 nodegroup(s) in cluster "my-cluster"
2024-07-18 21:04:15 [i] nodegroup "ng-fa78bafa" has 2 node(s)
2024-07-18 21:04:15 [i] node "ip-192-168-20-219.ec2.internal" is ready
2024-07-18 21:04:15 [i] node "ip-192-168-41-121.ec2.internal" is ready
```

Cluster created



```
File Edit Selection View Go Run Terminal Help <=> Project 2
```

EXPLORER PROJECT-2 argoed_ingress... PROJECT-2 argoed_ingress... iam_policy.json

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
urcefoundException: No cluster found for name: my-cluster.  
PS D:\Devops\Project-2> eksctl create iamserviceaccount --cluster=my-cluster --namespace=kube-system --region=ap-south-1 --name=aws-load-balancer-controller --role-name AmazonEKSLoadBalancerControllerRole --attach-policy-arn=aws:iam::052624508593:policy/AWSLoadBalancerControllerIAMPolicy --approve  
argoed_ingress...  
2024-07-18 22:58:41 [I] 1 iamserviceaccount (kube-system/aws-load-balancer-controller) was included (based on the include/exclude rules)  
2024-07-18 22:58:41 [I] serviceaccounts that exist in Kubernetes will be excluded, use --override-existing-serviceaccounts to override  
2024-07-18 22:58:41 [I] 1 task:  
    2 sequential sub-tasks:  
        create IAM role for serviceaccount "kubernetes/aws-load-balancer-controller",  
        create serviceaccount "kubernetes/aws-load-balancer-controller",  
    2024-07-18 22:58:41 [I] building iamserviceaccount stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-aws-load-balancer-controller"  
    2024-07-18 22:58:42 [I] deploying stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-aws-load-balancer-controller"  
    2024-07-18 22:58:42 [I] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-aws-load-balancer-controller"  
    2024-07-18 22:59:12 [I] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-aws-load-balancer-controller"  
    2024-07-18 22:59:12 [I] created serviceaccount "kubernetes/aws-load-balancer-controller"  
PS D:\Devops\Project-2> helm install aws-load-balancer-controller eks/aws-load-balancer-controller -n kube-system --set clusterName=my-cluster --set serviceAccount.create=false --set serviceAccount.name=aws-load-balancer-controller  
Error: INSTALLATION FAILED: no cached repo found. (try 'helm repo update') : open C:\Users\S\WRUIT-1\AppData\Local\Temp\helmrepository\eks-index.yaml: The system cannot find the file specified.  
PS D:\Devops\Project-2> helm repo add eks https://aws.github.io/eks-charts  
"eks" already exists with the same configuration, skipping  
PS D:\Devops\Project-2> helm repo update eks  
Hang tight while we grab the latest from your chart repositories...  
...Successfully got an update from the "eks" chart repository  
Update Complete. Happy Helming!  
PS D:\Devops\Project-2> helm install aws-load-balancer-controller eks/aws-load-balancer-controller -n kube-system --set clusterName=my-cluster --set serviceAccount.create=false --set serviceAccount.name=aws-load-balancer-controller  
NAME: aws-load-balancer-controller  
LAST DEPLOYED: Thu Jul 18 23:00:44 2024  
NAMESPACE: kube-system  
STATUS: deployed  
REVISION: 1  
TEST SUITE: None  
NOTES:  
AWS Load Balancer controller installed!  
PS D:\Devops\Project-2> kubectl get po -n kube-system  
NAME READY STATUS RESTARTS AGE  
aws-load-balancer-controller-8dxc47chb-sldg 1/1 Running 0 26s  
aws-load-balancer-controller-8dxc47chb-cnrg 1/1 Running 0 26s  
aws-node-2t49K 2/2 Running 0 50m  
aws-node-ltmqj 2/2 Running 0 50m  
coredns-6c55b85fbb-79wax 1/1 Running 0 56m  
coredns-6c55b85fbb-crnp5 1/1 Running 0 56m  
kube-proxy-kkgzq 1/1 Running 0 50m
```

```
File Edit Selection View Go Run Terminal Help
EXPLORER PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
OPEN EDITORS
x argocd_ingress...
PROJECT-2
x argocd_ingress...
iam_policy.json

PS D:\Devops\Project-2> helm repo update eks
Hang tight while we grab the latest from your chart repositories...
--Successfully got an update from the "eks" chart repository
Update Complete. Happy Helming!

PS D:\Devops\Project-2> helm install aws-load-balancer-controller eks/aws-load-balancer-controller -n kube-system --set clusterName=my-cluster --set serviceAccount.create=false --set serviceAccount.name=aws-load-balancer-controller
NAME: aws-load-balancer-controller
LAST DEPLOYED: Thu Jul 18 23:00:44 2024
NAMESPACE: kube-system
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
AWS Load Balancer Controller installed!

PS D:\Devops\Project-2> kubectl get po -n kube-system
NAME                                READY    STATUS    RESTARTS   AGE
aws-load-balancer-controller-84bc47cb4b-516hg    1/1      Running   0           26s
aws-load-balancer-controller-84bc47cb4b-cnmgx    1/1      Running   0           26s
aws-node-2t49k                                    2/2      Running   0           50m
aws-node-1hmgj                                    2/2      Running   0           50m
coredns-6c5b85fbb-79wax                         1/1      Running   0           56m
coredns-6c5b85fbb-cnpsp                         1/1      Running   0           56m
kube-proxy-kkqzz                                 1/1      Running   0           50m
kube-proxy-p9pks                                 1/1      Running   0           50m

PS D:\Devops\Project-2> kubectl create iamserviceaccount --name ebs-csi-controller-sa --namespace kube-system --cluster my-cluster --role-name AmazonEKS_EBS_CSI_DriverRole
Error: unable to describe cluster control plane: operation error EKS: DescribeCluster, https response error StatusCode: 404, RequestID: 207c4163-3bc7-4376-ae62-8635d876843e, ResourceNotFoundException: No cluster found for name: my-cluster.

PS D:\Devops\Project-2> kubectl create iamserviceaccount --name ebs-csi-controller-sa --namespace kube-system --cluster my-cluster --role-name AmazonEKS_EBS_CSI_DriverRole --attach-policy-arn arn:aws:iam::aws:policy/service-role/AmazonEBS CSI DriverPolicy --approve
Error: unable to describe cluster control plane: operation error EKS: DescribeCluster, https response error StatusCode: 404, RequestID: 207c4163-3bc7-4376-ae62-8635d876843e, ResourceNotFoundException: No cluster found for name: my-cluster.

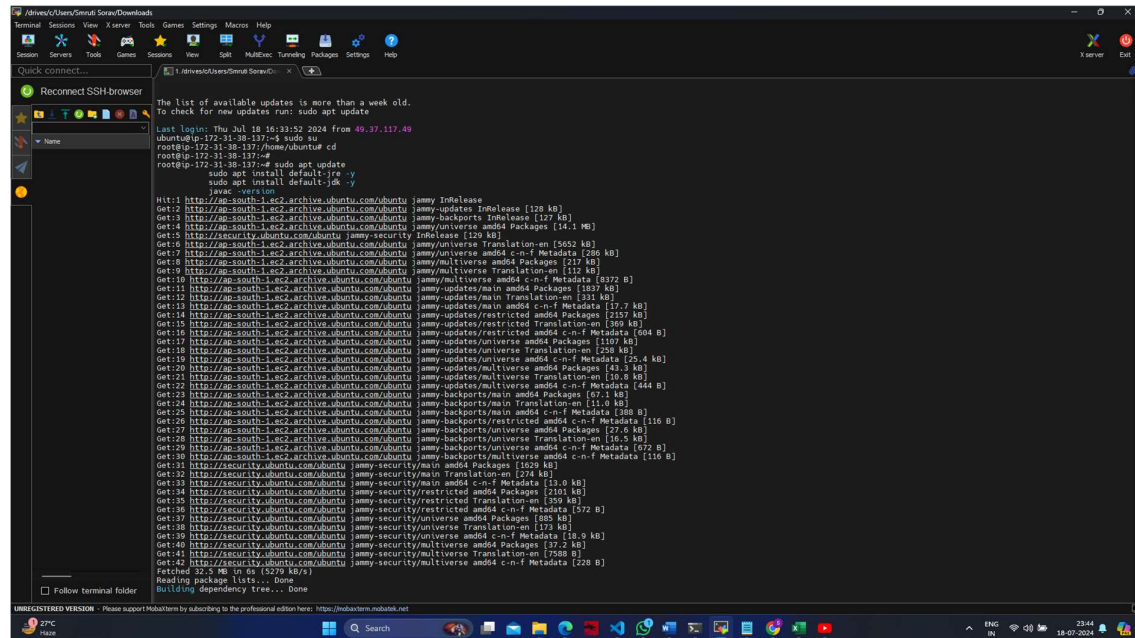
PS D:\Devops\Project-2> kubectl create iamrole --name ebs-csi-controller-sa --namespace kube-system --attach-policy-arn arn:aws:iam::aws:policy/service-role/AmazonEBS CSI DriverPolicy --approve --region ap-south-1
2024-07-18 23:22:05 [I] 1 existing iamrole(s) (kube-system/aws-load-balancer-controller) will be excluded
2024-07-18 23:22:05 [I] 1 iamserviceaccount (kube-system/ebs-csi-controller-sa) was included (based on the include/exclude rules)
2024-07-18 23:22:05 [I] serviceaccounts in Kubernetes will not be created or modified, since the option --role-only is used
2024-07-18 23:22:05 [I] 1 task: (create IAM role for serviceaccount "kube-system/ebs-csi-controller-sa")
2024-07-18 23:22:05 [I] building iamserviceaccount stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:05 [I] deploying stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:05 [I] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:36 [I] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
PS D:\Devops\Project-2> kubectl create add-on --name aws-ebs-csi-driver --cluster my-cluster --region ap-south-1 --arn:aws:iam::0582654506053:role/AmazonEKS_EBS_CSI_DriverRole --f
2024-07-18 23:24:56 [I] Kubernetes version "1.30" in use by cluster "my-cluster"
2024-07-18 23:24:56 [I] IRSA has been deprecated; the recommended way to provide IAM permissions for "aws-ebs-csi-driver" add-on is via pod identity associations; after add-on creation is completed, run
eksctl utils migrate-to-pod-identity
```

Now pods are in running state

```
AWS Load Balancer controller installed!
PS D:\Devops\Project-2> kubectl get po -n kube-system
NAME                                READY   STATUS    RESTARTS   AGE
aws-load-balancer-controller-84bc47cb4b-516bg   1/1     Running   0           26s
aws-load-balancer-controller-84bc47cb4b-cnrg   1/1     Running   0           26s
aws-node-2t49k                                  2/2     Running   0           50m
aws-node-ltmqg                                  2/2     Running   0           50m
coredns-6c55b85fbb-79vwx                      1/1     Running   0           56m
coredns-6c55b85fbb-cnp5p                      1/1     Running   0           56m
kube-proxy-kkqgz                               1/1     Running   0           50m
kube-proxy-p9glx                               1/1     Running   0           50m
PS D:\Devops\Project-2> eksctl create iamserviceaccount --name ebs-csi-controller-sa
```

Installation of Jenkins

First install Java



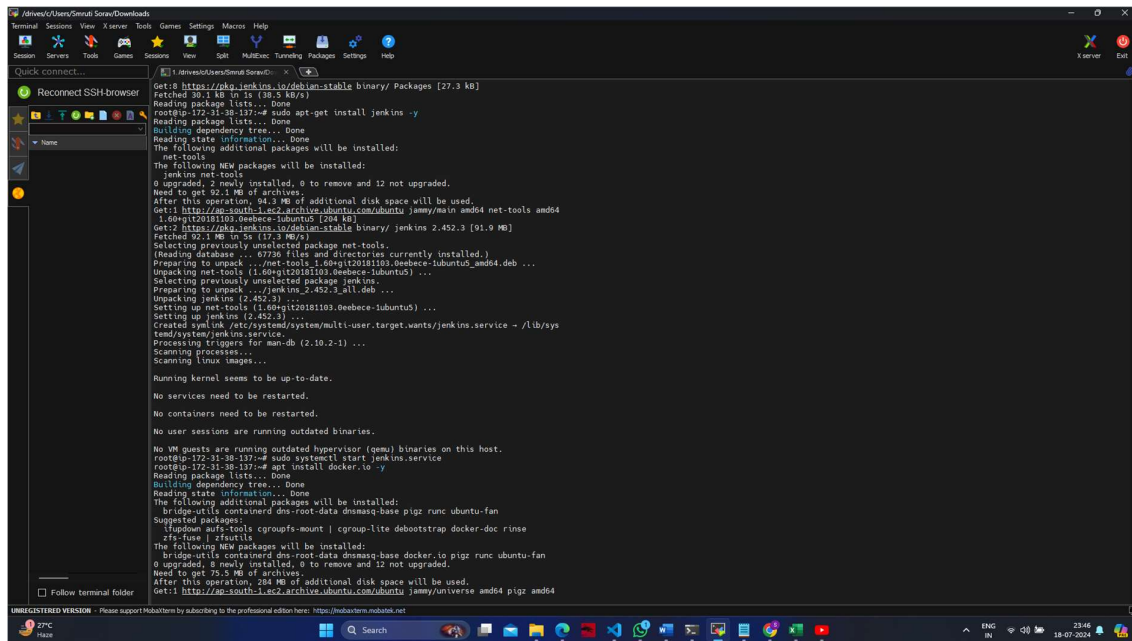
```

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Thu Jul 18 16:33:52 2024 from 49.37.117.49
ubuntu@ip-172-31-38-137:~$ sudo su
root@ip-172-31-38-137:~# cd /home/ubuntu
root@ip-172-31-38-137:~# sudo apt update
Get:1 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease [128 kB]
Get:2 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:5 http://ppa:~security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:6 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1857 kB]
Get:12 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [131 kB]
Get:13 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [137.7 kB]
Get:14 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2157 kB]
Get:15 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [399 kB]
Get:16 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [504 B]
Get:17 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1107 kB]
Get:18 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [256 kB]
Get:19 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [25.4 kB]
Get:20 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [43.3 kB]
Get:21 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.8 kB]
Get:22 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:23 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [67.1 kB]
Get:24 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.8 kB]
Get:25 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:26 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [127.9 kB]
Get:28 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:29 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
Get:30 http://ppa:~south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://ppa:~security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1629 kB]
Get:32 http://ppa:~security.ubuntu.com/ubuntu jammy-security/main Translation-en [274 kB]
Get:33 http://ppa:~security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.0 kB]
Get:34 http://ppa:~security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2101 kB]
Get:35 http://ppa:~security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [359 kB]
Get:36 http://ppa:~security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [572 B]
Get:37 http://ppa:~security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [885 kB]
Get:38 http://ppa:~security.ubuntu.com/ubuntu jammy-security/universe Translation-en [1193 kB]
Get:39 http://ppa:~security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [18.9 kB]
Get:40 http://ppa:~security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [137.2 kB]
Get:41 http://ppa:~security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
Get:42 http://ppa:~security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 32.5 MB in 6s (5279 kB/s)
Reading package lists... Done
Building dependency tree... Done

```

Install Jenkins



```
Get:0 https://pkg.jenkins.io/debian-stable binary/ Packages [27.3 kB]
Fetched 30.1 kB in 1s (38.5 kB/s)
Reading package lists... Done
root@ip-172-31-38-137:~# sudo apt-get install jenkins -y
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  net-tools
The following NEW packages will be installed:
  jenkins net-tools
0 upgraded, 2 newly installed, 0 to remove and 12 not upgraded.
Need to get 82.1 MB of archives.
After this operation, 84.3 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 net-tools amd64 1.60git20181103.0eebece-1ubuntu5 [204 kB]
Get:2 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.452.3 [91.9 MB]
Fetched 92.1 MB in 5s (19.3 MB/s)
Selecting previously unselected package net-tools.
(Reading database ... 67786 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60git20181103.0eebece-1ubuntu5_amd64.deb ...
Unpacking net-tools (1.60git20181103.0eebece-1ubuntu5) ...
Selecting previously unselected package jenkins.
Preparing to unpack .../jenkins_2.452.3_all.deb ...
Unpacking jenkins (2.452.3) ...
Setting up net-tools (1.60git20181103.0eebece-1ubuntu5) ...
Setting up jenkins (2.452.3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service - /lib/sy
tead/system/jenkins.service.
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

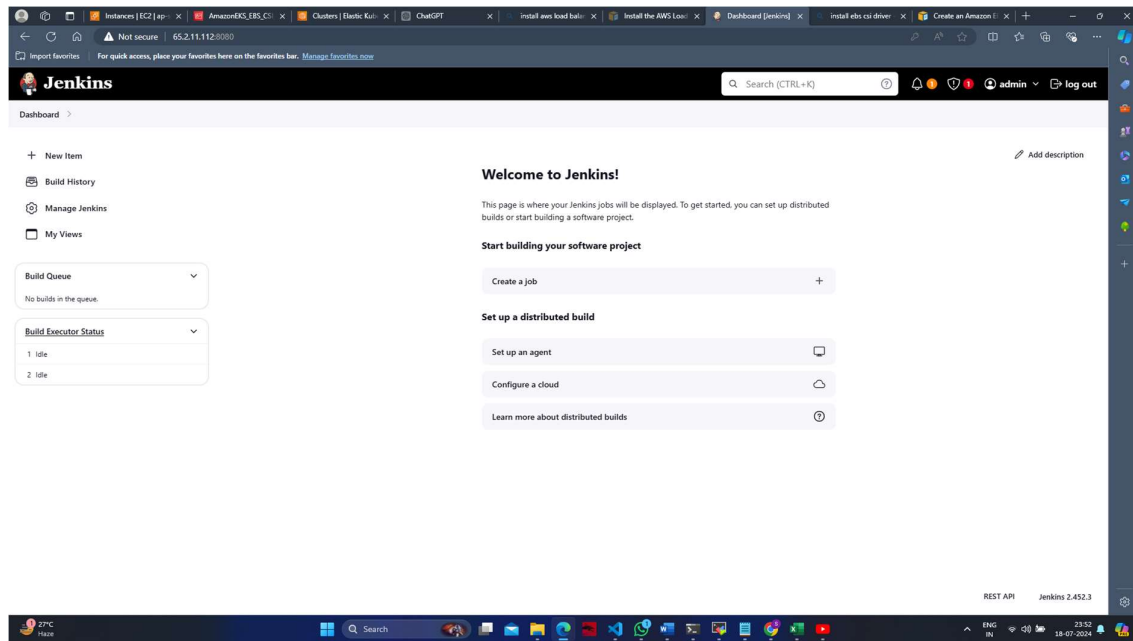
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-38-137:~# sudo systemctl start jenkins.service
root@ip-172-31-38-137:~# apt install docker.io -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker.io is already the newest version (24.0.7-0ubuntu2~22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 12 not upgraded.
root@ip-172-31-38-137:~#
```

Install docker

```
2 history
root@ip-172-31-38-137:~# sudo systemctl start jenkins.service
root@ip-172-31-38-137:~# apt install docker.io -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker.io is already the newest version (24.0.7-0ubuntu2~22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 12 not upgraded.
root@ip-172-31-38-137:~#
```

Granting permissions to Jenkins

```
0 upgraded, 0 newly installed, 0 to remove and 12 not upgraded.
root@ip-172-31-38-137:~# sudo usermod -a -G docker jenkins
root@ip-172-31-38-137:~#
```

Install ebs csi driver

```
PS D:\Devops\Project-2> eksctl create iamserviceaccount --name ebs-csi-controller-sa --namespace kube-system --cluster my-cluster --role-name AmazonEKS_EBS_CSI_Dr
iverRole --role-only --attach-policy-arn arn:aws:iam::aws:policy/service-role/AmazonEBSCSIDriverPolicy --approve --region ap-south-1
2024-07-18 23:22:05 [i] 1 existing iamserviceaccount(s) (kube-system/aws-load-balancer-controller) will be excluded
2024-07-18 23:22:05 [i] 1 iamserviceaccount (kube-system/ebs-csi-controller-sa) was included (based on the include/exclude rules)
2024-07-18 23:22:05 [i] serviceaccounts in Kubernetes will not be created or modified, since the option --role-only is used
2024-07-18 23:22:05 [i] 1 task: { create IAM role for serviceaccount "kube-system/ebs-csi-controller-sa" }
2024-07-18 23:22:05 [i] building iamserviceaccount stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:05 [i] deploying stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:05 [i] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
2024-07-18 23:22:36 [i] waiting for CloudFormation stack "eksctl-my-cluster-addon-iamserviceaccount-kube-system-ebs-csi-controller-sa"
PS D:\Devops\Project-2> eksctl create addon --name aws-ebs-csi-driver --cluster my-cluster --region ap-south-1 arn:aws:iam::058264506503:role/AmazonEKS_EBS_CSI_DriverRole --f
once
2024-07-18 23:24:56 [i] Kubernetes version "1.30" in use by cluster "my-cluster"
2024-07-18 23:24:56 [i] IRSA has been deprecated; the recommended way to provide IAM permissions for "aws-ebs-csi-driver" addon is via pod identity associations; after addon cre
ation is completed, run 'eksctl utils migrate-to-pod-identity'
2024-07-18 23:24:56 [i] creating role using recommended policies for "aws-ebs-csi-driver" addon
2024-07-18 23:24:57 [i] deploying stack "eksctl-my-cluster-addon-aws-ebs-csi-driver"
2024-07-18 23:24:57 [i] waiting for CloudFormation stack "eksctl-my-cluster-addon-aws-ebs-csi-driver"
2024-07-18 23:25:27 [i] waiting for CloudFormation stack "eksctl-my-cluster-addon-aws-ebs-csi-driver"
2024-07-18 23:26:06 [i] waiting for CloudFormation stack "eksctl-my-cluster-addon-aws-ebs-csi-driver"
2024-07-18 23:26:06 [i] creating addon
```

Instances [EC2] ap-AmazonEKS_EBS_CSI-my-cluster | ClustersChatGPTinstall aws load balInstall the AWS Load balancer controllerDashboard [jenkins]Install ebs csi driverCreate an Amazon EBS CSI Driver

https://ap-south-1.console.aws.amazon.com/eks/home?region=ap-south-1#/clusters/my-cluster/selectedTab=cluster-add-ons-tab

Import favoritesFor quick access, place your favorites here on the favorites bar. Manage favorites now

ServicesSearch[Alt+S]

MumbaiSmruti @ 0582-6430-4303

Amazon Elastic Kubernetes Service

Clusters

Amazon EKS AnywhereEnterprise SubscriptionsNew

Related servicesAmazon ECRAWS Batch

Console settingsDocumentationSubmit feedback

Cluster info

StatusActive

Kubernetes version1.30

Support periodStandard support until July 28, 2025

ProviderEKS

Overview

Resources

Compute

Networking

Add-ons

Access

Observability

Upgrade Insights

Update history

Tags

Feedback Survey

Tell us what you think about the new AWS Marketplace Add-ons for EKS experience.

Take the survey

Add-ons (1)

Find add-onAny categoryAny status1 match

Amazon EBS CSI Driver

Enable Amazon Elastic Block Storage (EBS) within your cluster.

Categorystorage

StatusActive

Versionv1.32.0-eksbuild.1

IAM role for service account (IRSA)

arn:aws:iam::058264506503:role/eksctl-my-cluster-addon-aws-ebs-csi-driver-Role1-gjpin3XUI09

View in IAM

CloudShellFeedback

© 2024, Amazon Web Services, Inc. or its affiliates. PrivacyTermsCookie preferences

27°CHeat

Search

ENGIN

23:5318-07-2024