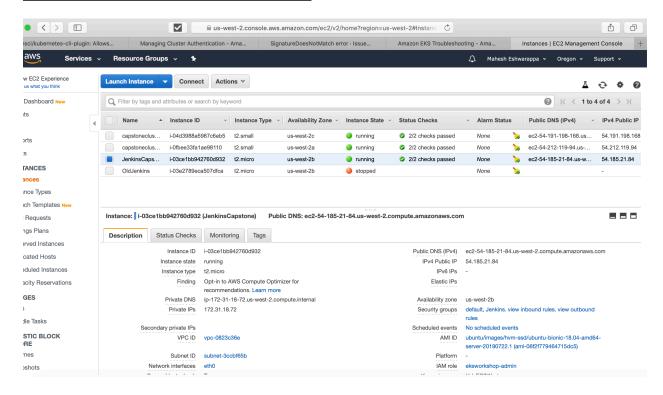
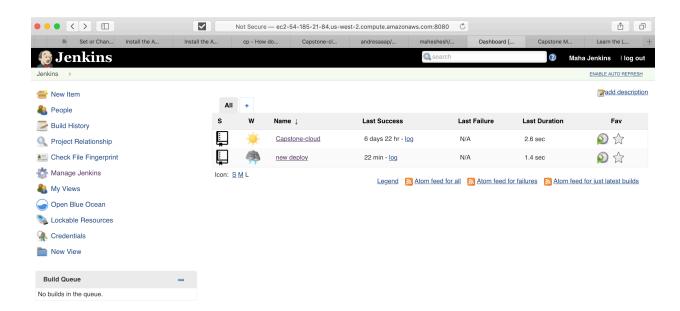
Git Link: https://github.com/maheshesh/Capstone-cloud Jenkins EC2 Instance & cluster instances



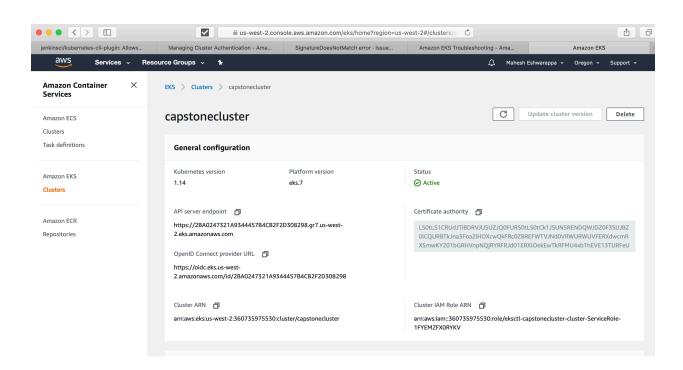
Jenkins with 2 jobs setup (Capstonecloud creates eke cluster, the second creates a docker image and then deploys to eks)

Please refer: https://github.com/maheshesh/Capstone-cloud

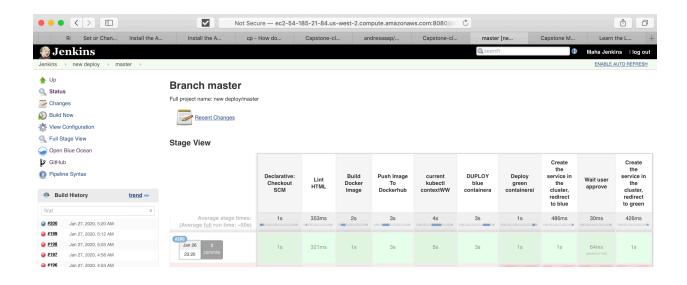


CapstoneCloud Job: The EKS cluster created with Jenkins job using eksctl command Jenkins Pipeline for createCluster using eksctl-cloudformation





Second Job: To deploy to the EKS Cluster



Deployed to BLUE

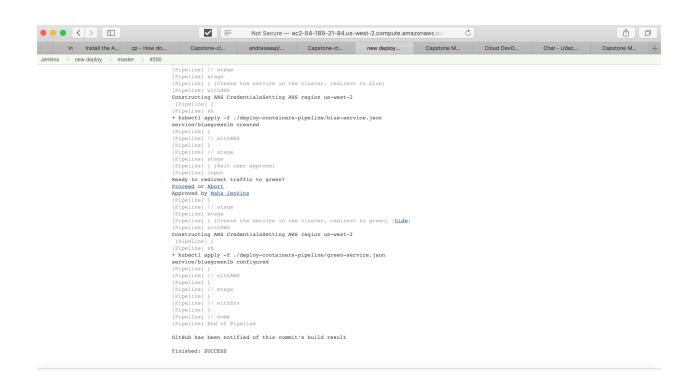


SERVICE PODS DEPLOYED TO BLUE

```
| Lubuntu@ip-172-31-18-72:-$ kubectl describe services bluegreenlb | Name: | Bluegreenlb | Bluegreen
```

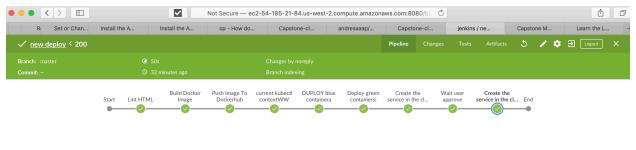
Switching in Jenkins to approve for Green deployment

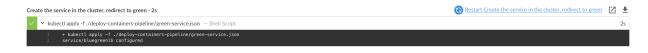
```
V
                                                                                                                                                        Ô
                                              aithub.com/maheshesh/Capstone-cloud/blob/master/deploy-containers-pipel
In Install the A... cp - How do...
                                                  andresaaap/... Capstone-cl... new deploy... Capstone M...
                                                                                                                  Cloud DevO... Chat - Udac...
               64
               65
               66
                                           }
               67
                                   }
               68
               69
                                   stage('Create the service in the cluster, redirect to blue') \{
               70
                                                   withAWS(region:'us-west-2', credentials:'mahajenkinsA') {
                                                          sh '''
                                                                  kubectl apply -f deploy-containers-pipeline/blue-service.json
               74
               76
                                           }
               78
                                   stage('Wait user approve') {
               79
                               steps {
               80
                                   input "Ready to redirect traffic to green?"
               81
               84
                                    stage('Create the service in the cluster, redirect to green') {
               85
               86
                                                   withAWS(region:'us-west-2', credentials:'mahajenkinsA') {
               87
               88
                                                                  {\tt kubectl\ apply\ -f\ deploy-containers-pipeline/green-service.json}
               89
               90
               91
                                          }
                                   }
               92
               93
                           }
               94
               95 }
```



SERVICE PODS DEPLOYED TO GREEN







Website



Capstone project CSS EKS in AWS.