We need to install plugins

- [CloudBees AWS Credentials](#)
- [Amazon ECR](#)
- [Docker Pipeline](#)

we need set up access key and secret key

[] login to j**enkins dashboard** and select **manage jenkins**

[] select system and scroll down in **Global properties** select **Environment variables**
[] add

[] in **name** AWS_ACCESS_KEY_ID (we can give whatever,we use this name in pipeline)

[] in **value** AKIASM6XNBZOR5U2YE7 (I gave access key id what I created in aws)

[] add

[] in **name** AWS_SECRET_ACCESS_KEY (we can give whatever,we use this name in pipeline)

[] in **value** vK6JhW+lToii27wLUiDgnBLJnJzxSIayFD97Ect4 (I gave secret access key id what I created in aws)

[] save

Global properties

☐ Disable deferred wipeout on this node ?

☑ Environment variables

List of variables ?

Name   ✕

AWS_ACCESS_KEY_ID

Value

AKIASM6XNBZOR5U2YE7Q

EXAMPLE: (I use like this in code)

[] AWS_ACCESS_KEY_ID="${env.AWS_ACCESS_KEY_ID}"

[] AWS_SECRET_ACCESS_KEY="${env.AWS_SECRET_ACCESS_KEY}"

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1) Code for to push docker image to ECR

```
pipeline {
  agent any
environment {
   AWS_ACCESS_KEY_ID="${env.AWS_ACCESS_KEY_ID}"
    AWS_SECRET_ACCESS_KEY="${env.AWS_SECRET_ACCESS_KEY}"
    AWS_REGION=('us-east-1')
}
stages {
  stage('Cloning Git') {
steps {
   git credentialsId: 'PAT', url:
'https://github.com/kanchana08/Dockerfile_python.git'
```

```
        }
      }
    stage('Build Docker Image') {
      steps {
        sh "docker build -t lamda_ply:latest ."
         }
       }
      stage('Publish to ECR') {
        steps {
          script {
                sh "aws ecr get-login-password --region us-east-1 | docker login --
username AWS --password-stdin 165271113309.dkr.ecr.us-east-1.amazonaws.com"

                sh "docker tag lamda_ply:latest 165271113309.dkr.ecr.us-east-
1.amazonaws.com/lamda_ply:latest"

                sh "docker push 165271113309.dkr.ecr.us-east-
1.amazonaws.com/lamda_ply:latest"

              }
           }
  }
  }
  }
```

===

 2) <u>Code for to push docker image to ECR</u>   (I put build function in stage('Publish
to ECR'))

```
pipeline {
  agent any
environment {
  AWS_ACCESS_KEY_ID="${env.AWS_ACCESS_KEY_ID}"
    AWS_SECRET_ACCESS_KEY="${env.AWS_SECRET_ACCESS_KEY}"
    AWS_REGION=('us-east-1')
}
stages {
  stage('Cloning Git') {
steps {
  git credentialsId: 'PAT', url:
'https://github.com/kanchana08/Dockerfile_python.git'


}
}


    stage('Publish to ECR') {
      steps {
        script {
            sh "aws ecr get-login-password --region us-east-1 | docker login --
username AWS --password-stdin 165271113309.dkr.ecr.us-east-1.amazonaws.com"

            sh"docker build -t lamda_ply ."

            sh "docker tag lamda_ply:latest 165271113309.dkr.ecr.us-east-
1.amazonaws.com/lamda_ply:latest"

            sh "docker push 165271113309.dkr.ecr.us-east-
1.amazonaws.com/lamda_ply:latest"
```

```
            }


            }


        }
        }


}
```

==

Code for s3 bucket :

```
pipeline{
  agent any
  environment {
    AWS_ACCESS_KEY_ID="${env.AWS_ACCESS_KEY_ID}"
    AWS_SECRET_ACCESS_KEY="${env.AWS_SECRET_ACCESS_KEY}"
```

```
        AWS_REGION=('us-east-1')
    }
    stages{
        stage('exm stage'){
            steps {
                script{


                    sh"aws s3 ls"
                    }
                }
            }
        }


}
```