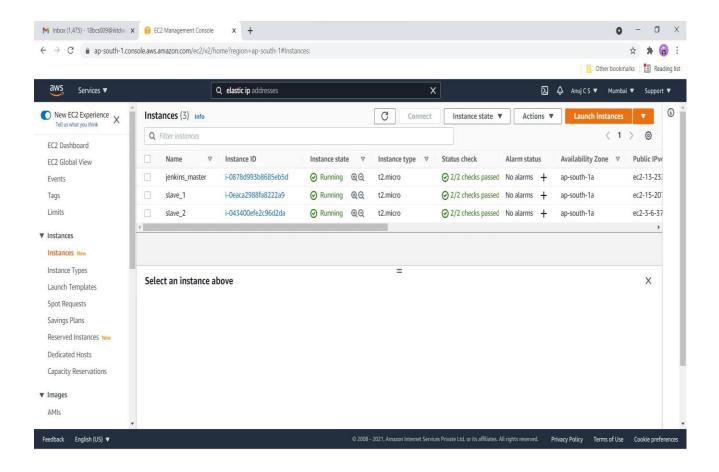
# DeVops Jenkins Assignment 2

BY:

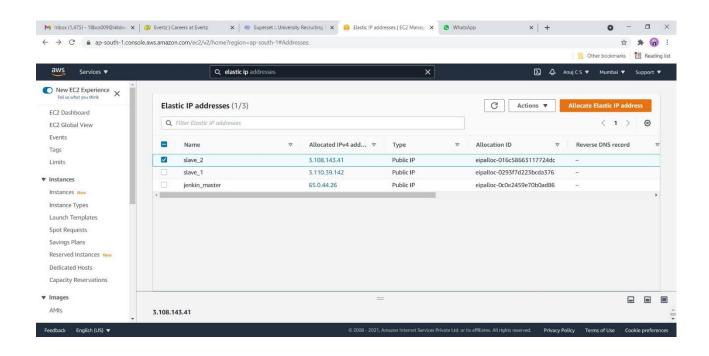
ANKITHA S MADANBHAVI (18BCS008) ANUJ C SHIRAGAVE(18BCS009)

Assignment-02: Jenkins Master Slave pipeline intellipaat.

Step-1: Firstly, we are creating three aws ec2 instances and naming them as jenkins master, slave-1, slave-2.

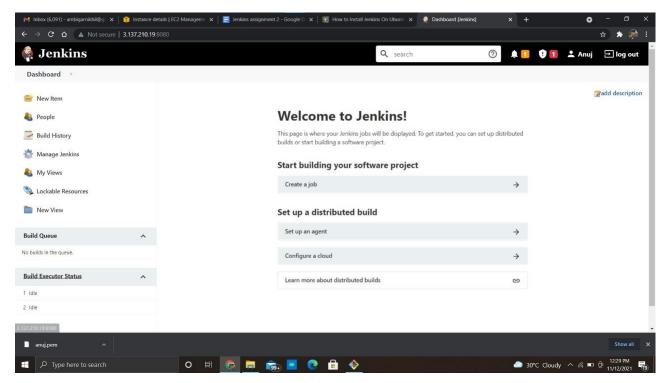


Step-2: Creating three elastic IP addresses and associating these elastic IP addresses to the ec2 instances.

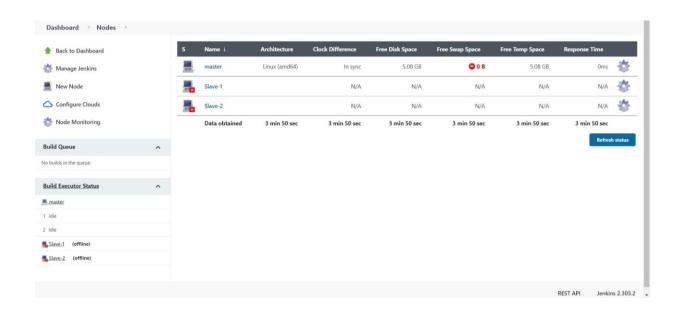


Step-3: Install Jenkins on jenkins\_master ec2 instance. Commands to install Jenkins on ubuntu ec2 instance.

sudo apt-get update -y sudo apt-get install openjdk-8-jdk wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add - sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list' sudo apt-get update apt-get install jenkins sudo service jenkins start

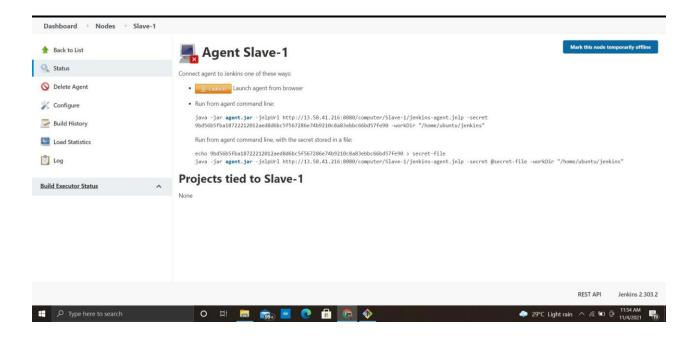


Step-4: Creating two nodes. (one for ec2 slave-1 instance and theother for ec2 slave-2 instance.)

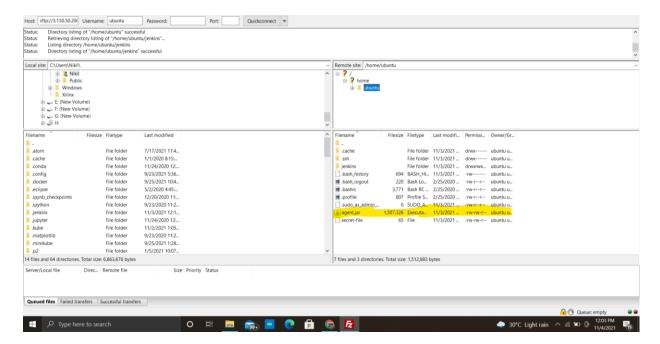


#### Step-5:

Download agent.jar from Slave-1 node and using Filezilla, transferthat file to slave-1 ec2 instance.

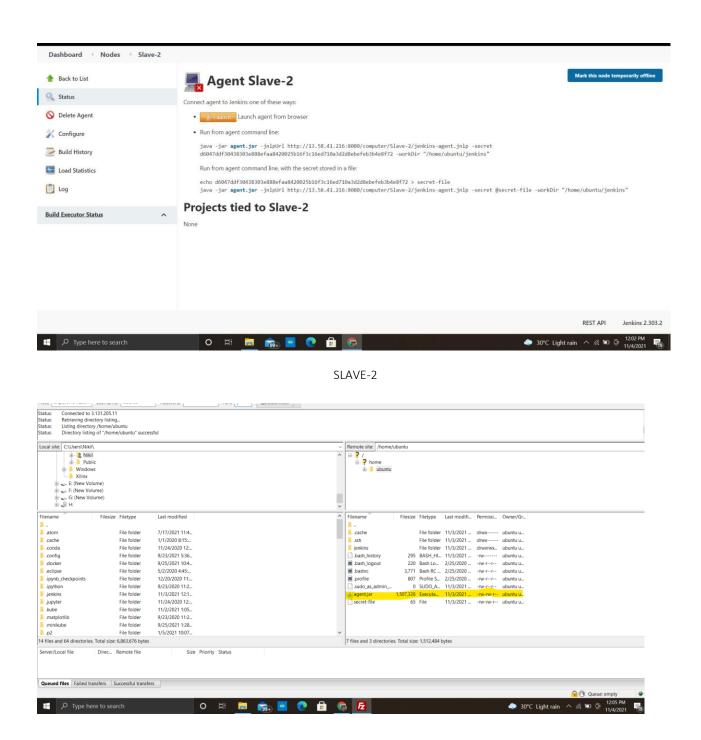


SLAVE-1



## Step-5:

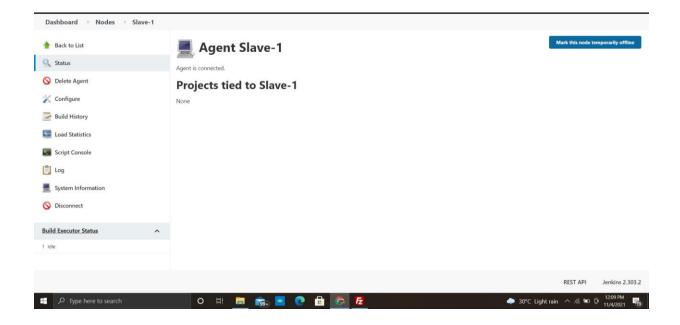
Download agent.jar from Slave-2 node and using Filezilla, transferthat file to slave-2 ec2 instance.



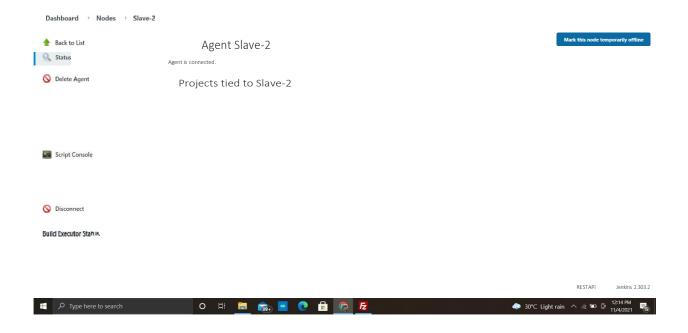
# Step-6:

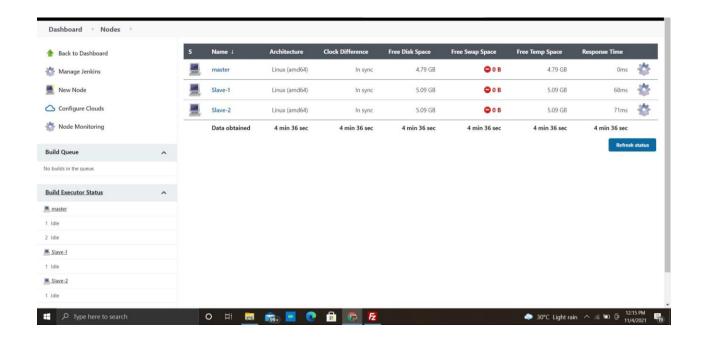
Run the command on the ec2 instances so that we can connect the nodes to the Jenkins.

## **SLAVE-1 CONNECTED**



### SLAVE-2 CONNECTED.



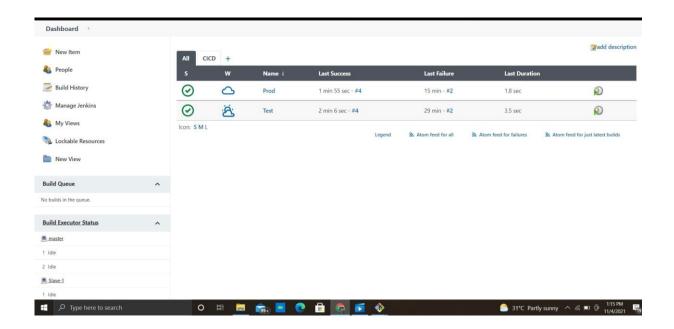


Step-7: Install docker on Slave-1 and Slave-2 ec2 instances.

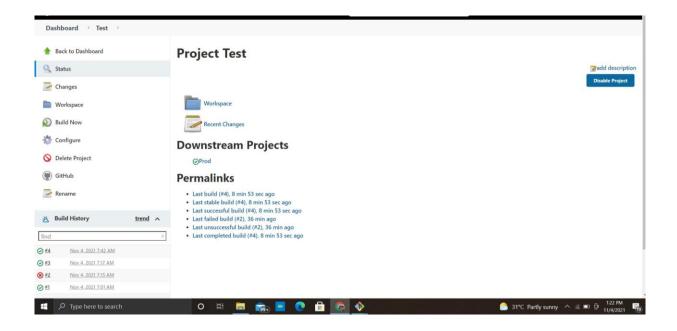
## Step 8:

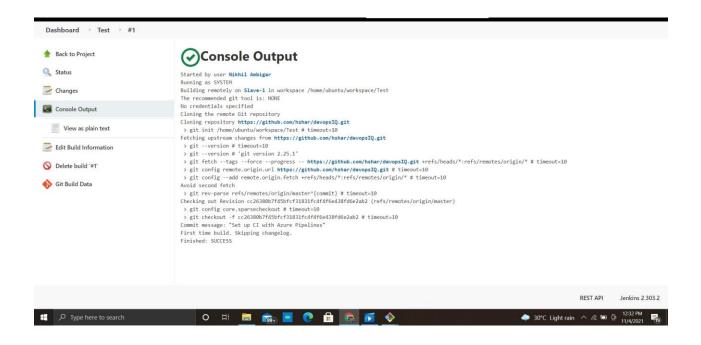
Create two jobs (test for Slave-1 and prod for Slave-2)

In configure, we are setting source code management as git and passing our Github repo link, in build we are selecting execute shell and writing some commands to run.

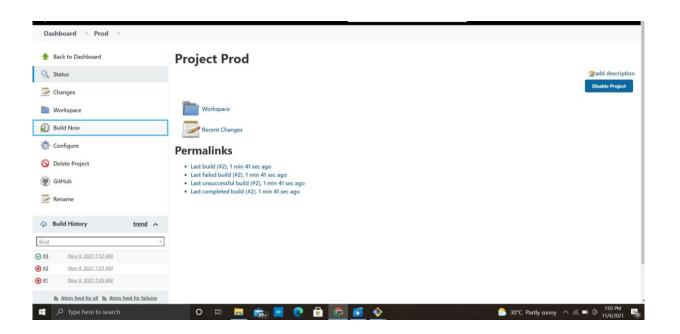


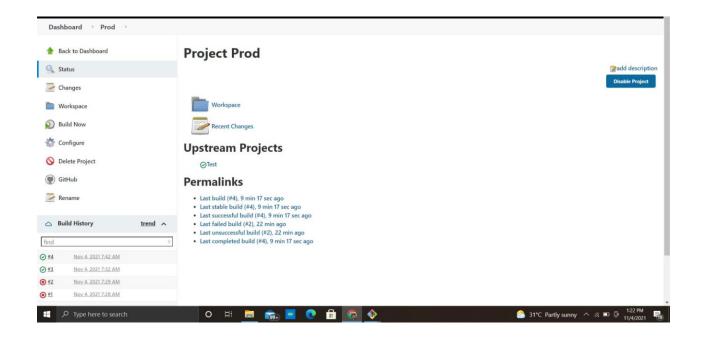
Step 9: Build Test job.



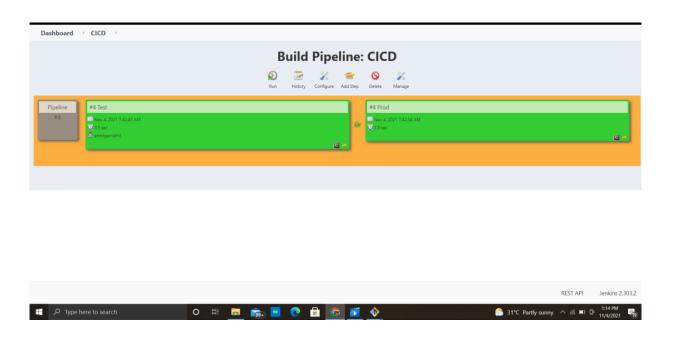


Step 10: Build prod job.





Step-11: Creating the pipeline



Step-12: After successfully building our project we can see our website using slave-1 IP at port 82.

We can see our website using slave-2 IP at port 82.

THANK YOU