Jenkins Master-Slave Configuration

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1. Create two ec2 instances (Amazon Linux)

2. One is named as Master and other one is Slave

3. in Master, Installed Java and Jenkins

Scripts to install java & Jenkins

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#!/bin/bash

#Change the direcoty to /tmp

cd /tmp

# download the java

wget -c --header "Cookie: oraclelicense=accept-securebackup-cookie" http://download.oracle.com/otn-pub/java/jdk/8u131-b11/d54c1d3a095b4ff2b6607d096fa80163/jdk-8u131-linux-x64.rpm

# Install the java

rpm -ivh jdk-8u131-linux-x64.rpm

# Create java repo /etc/yum.repos.d

wget -O /etc/yum.repos.d/jenkins.repo http://pkg.jenkins-ci.org/redhat/jenkins.repo

rpm --import http://pkg.jenkins-ci.org/redhat/jenkins-ci.org.key

# Install Jenkins

yum install jenkins --nogpgcheck

# Start Jenkins

systemctl start jenkins

systemctl enable jenkins

4. In Slave, Installed Only Java

# download the java

wget -c --header "Cookie: oraclelicense=accept-securebackup-cookie" http://download.oracle.com/otn-pub/java/jdk/8u131-b11/d54c1d3a095b4ff2b6607d096fa80163/jdk-8u131-linux-x64.rpm

# Install the java

rpm -ivh jdk-8u131-linux-x64.rpm

5. Login to master and do password less setup, from Jenkins bash to slave

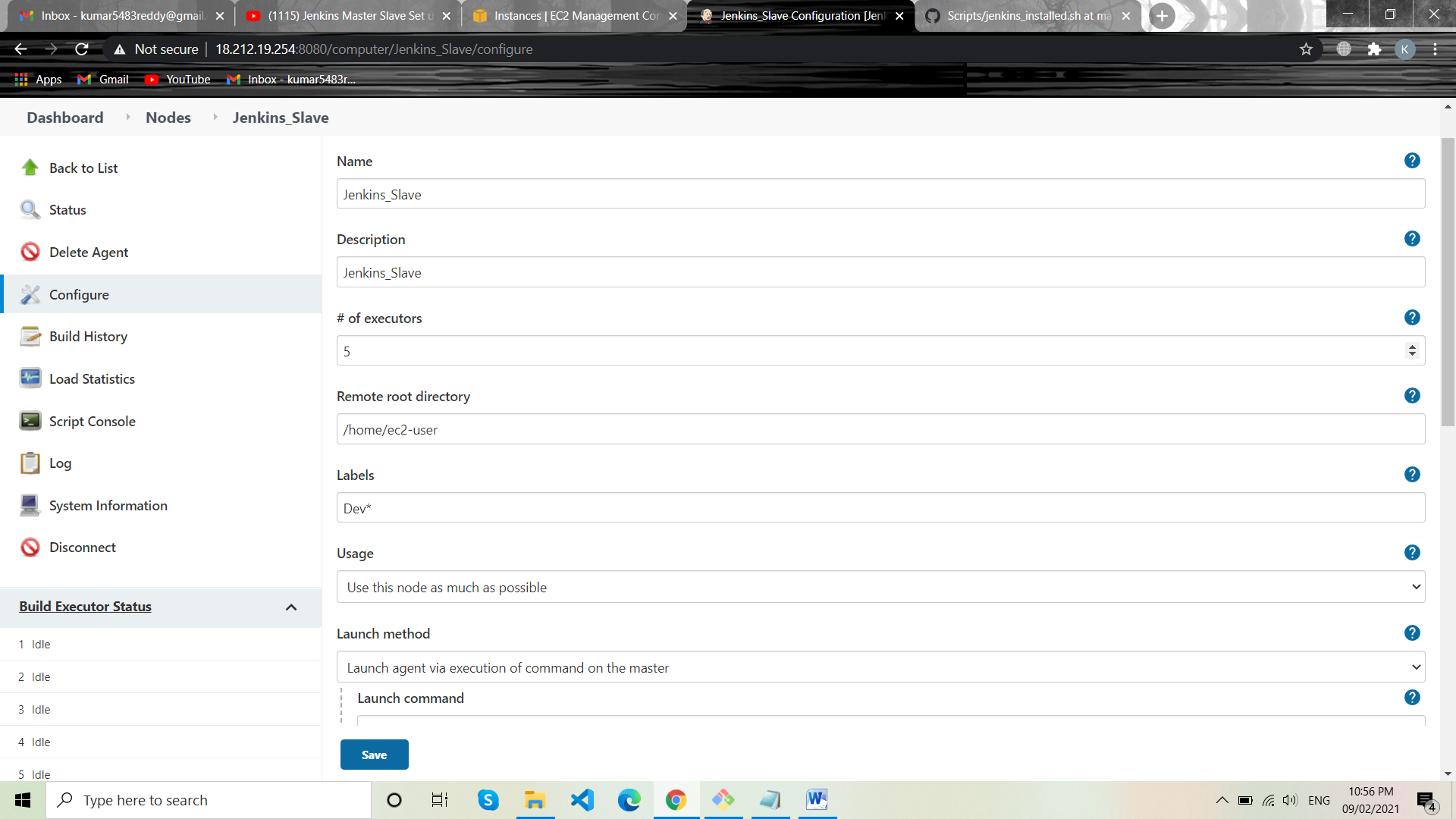
6. Then you have to access Master Jenkins in google chrome, It will shows jenkins UI

7. In Jenkins dashboard, Manage jenkins 🡪

Manage Nodes 🡪

New Node 🡪

You have to give your slave name like “Jenkins\_Slave”

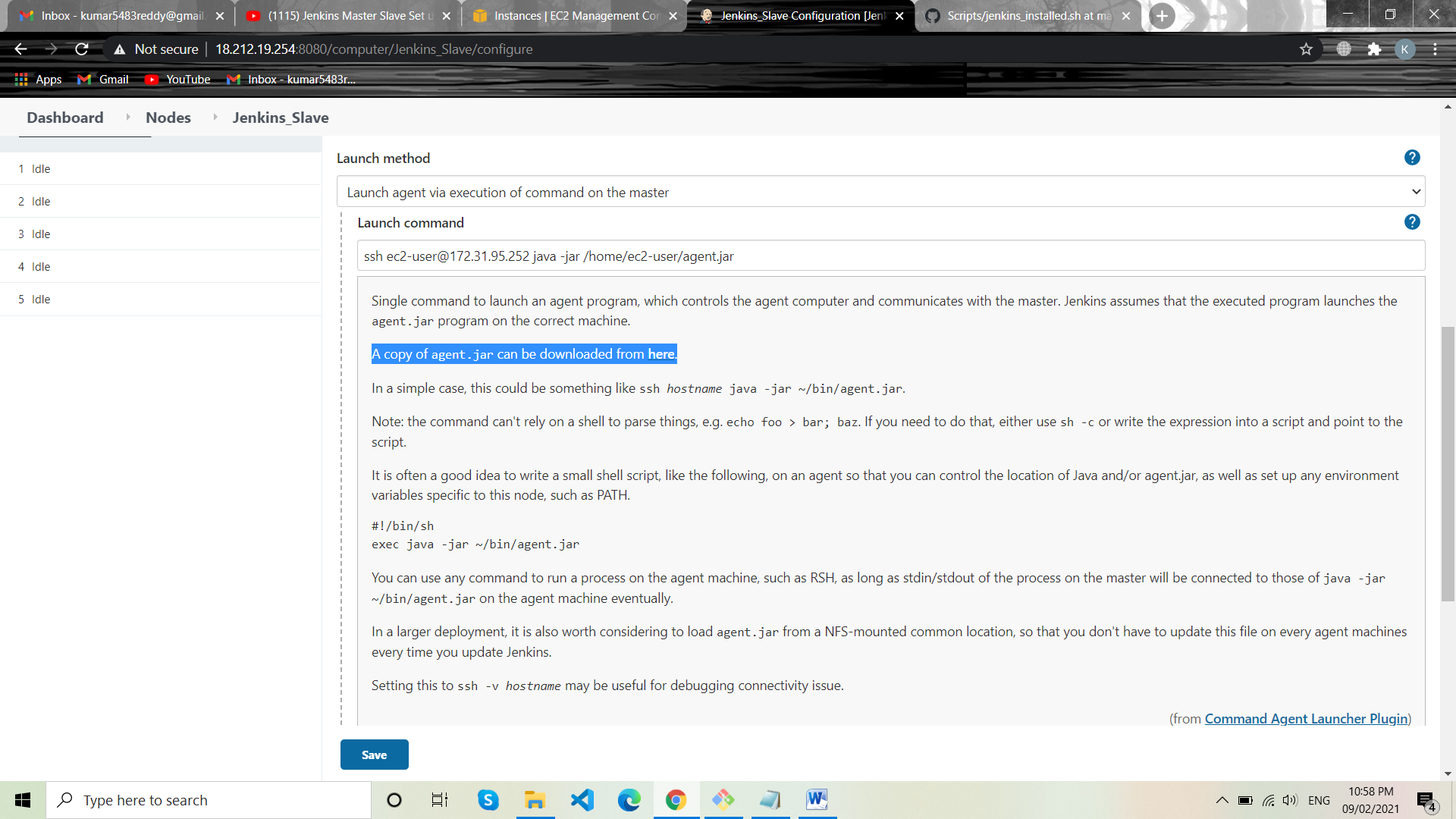


Click Question mark on right side of Launch Command.

**COMMAND:** ssh *hostname* java -jar ~/bin/agent.jar.

**Like**

ssh [ec2-user@172.31.95.252](mailto:ec2-user@172.31.95.252) java –jar /home/ec2-user/agent.jar



In above Picture I have marked on “A copy of agent.jar can be downloaded from here”

8. You have to copy link address from agent.jar can be downloaded from here.

**To download agent.jar file in Jenkins slave.**

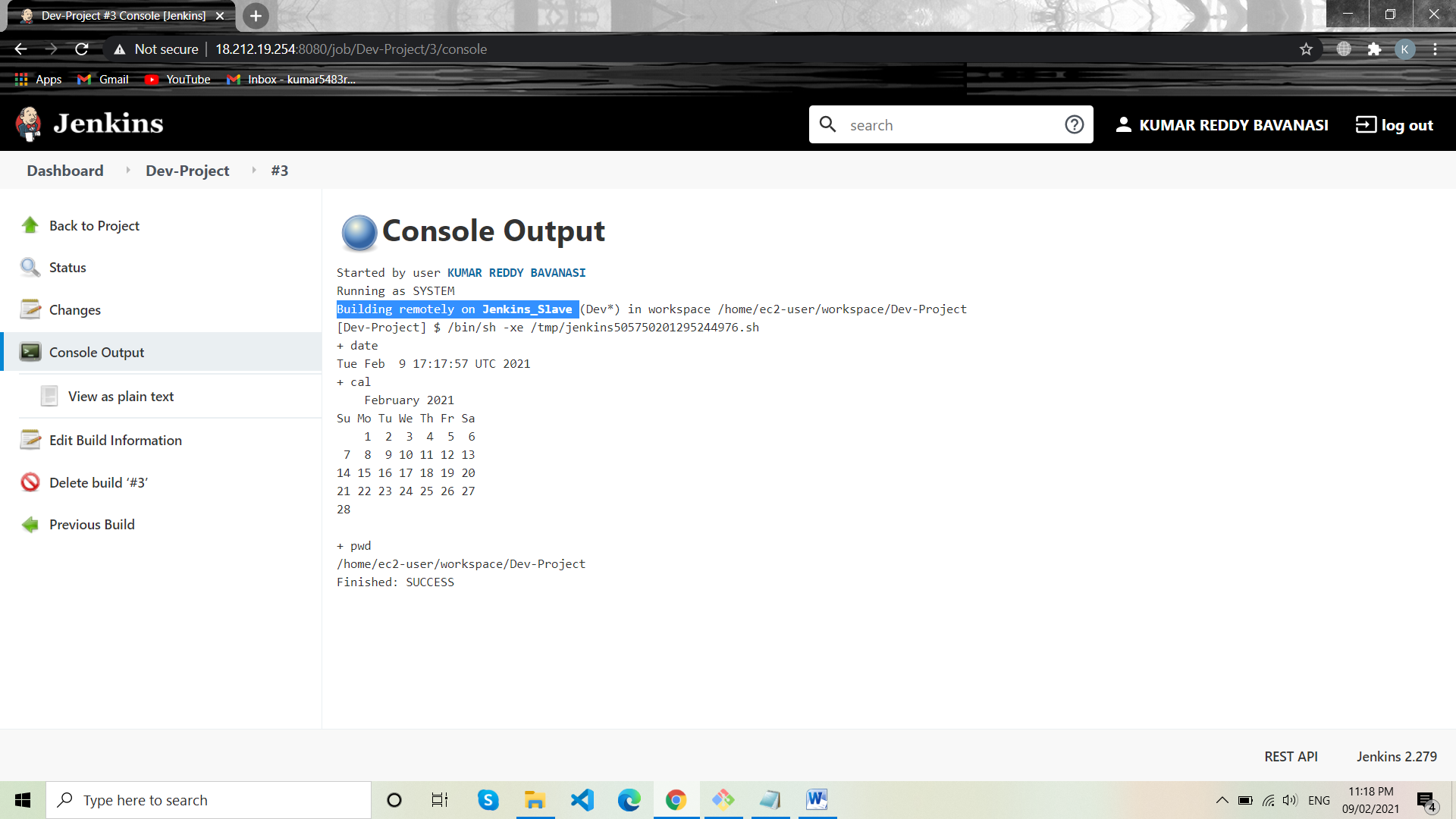
**CMD:**

wget <http://18.212.19.254:8080/jnlpJars/agent.jar>

9. Finally Mange Jenkins 🡪 Configuration System 🡪 Usage



10. Then finally, you have to ready to build your jobs In Slave automatically.



***THANK YOU ALL***