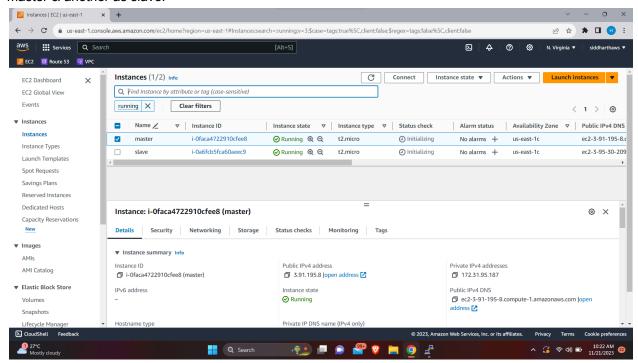
MASTER/SLAVE SERVER CONFIGURATION

Master and slave concept:

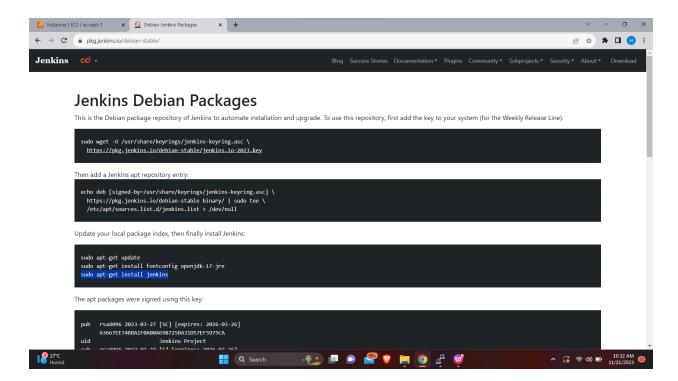
In some cases, files may have different code and require multiple builds and the Jenkins server cannot handle multiple builds simultaneously for this, the Master distributes the workload and allows us to run different builds on different environments each called a Slave.

STEPS TO CONFIGURE MASTER AND SLAVE SERVER

Launch 2 instances - ubuntu 20.04 - choose keyfile - security group(all traffic) - name one server as master & another as slave.



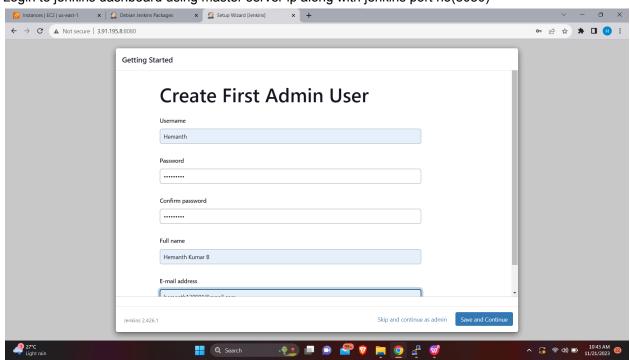
Connect to the master server and install jenkins packages in it.



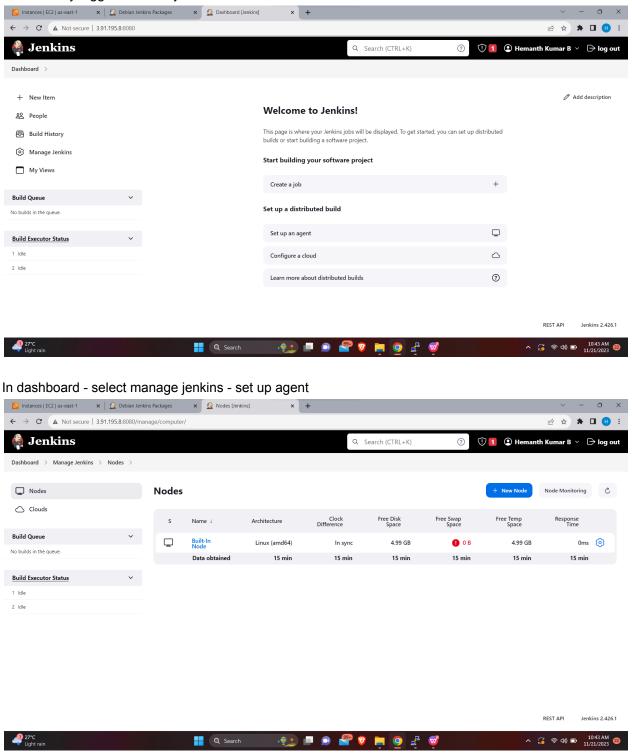
Connect to the slave server & install java in it.

ubuntu@ip-172-31-89-17:~\$ sudo apt-get install fontconfig openjdk-17-jre

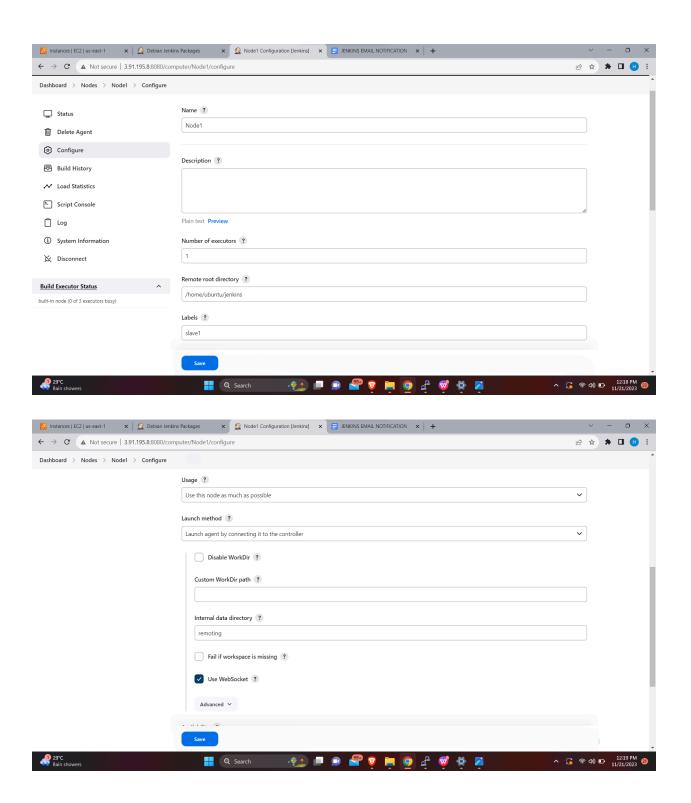
Login to jenkins dashboard using master server ip along with jenkins port no(8080)

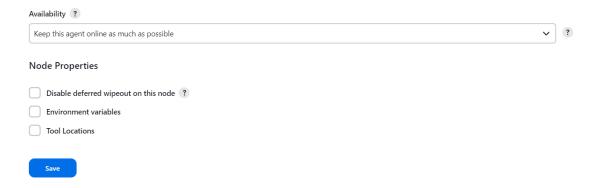


Successfully logged in to the jenkins dashboard

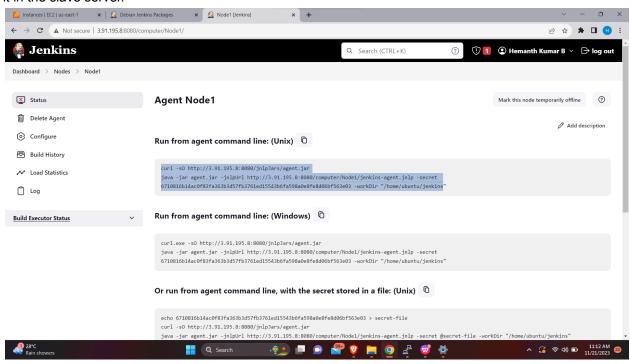


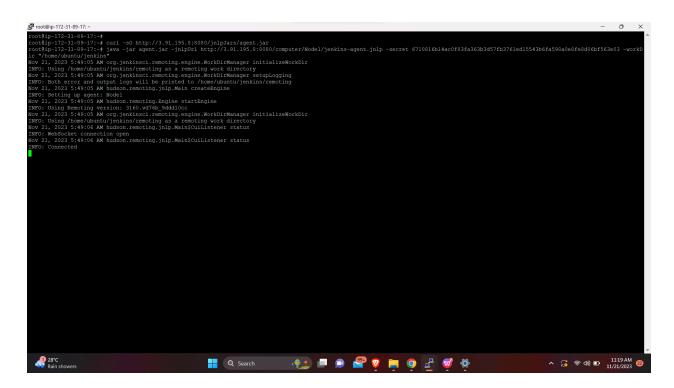
Create a node to sync the Master server and Slave server. Select a name - select permanent agent - create



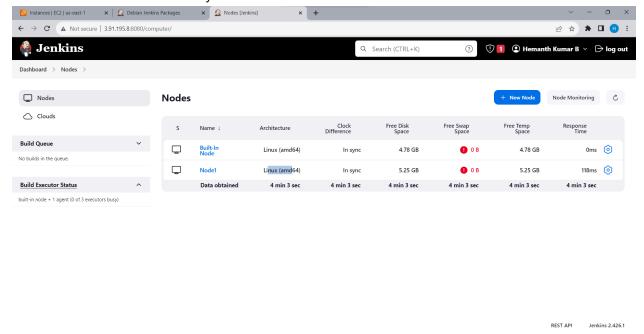


The created node will not be synced yet. To sync it, select the created node & copy the command & paste it in the slave server.





Now the created node will be in sync with the master.

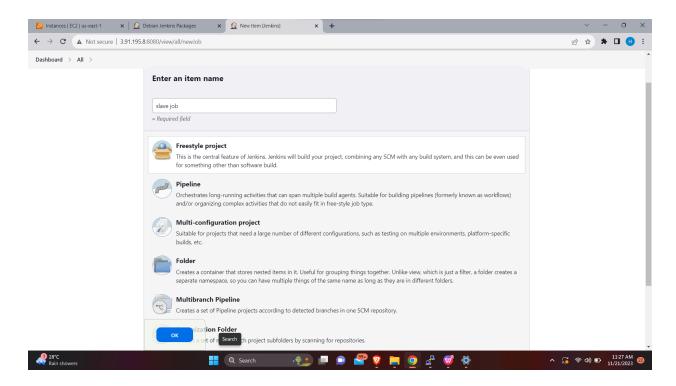


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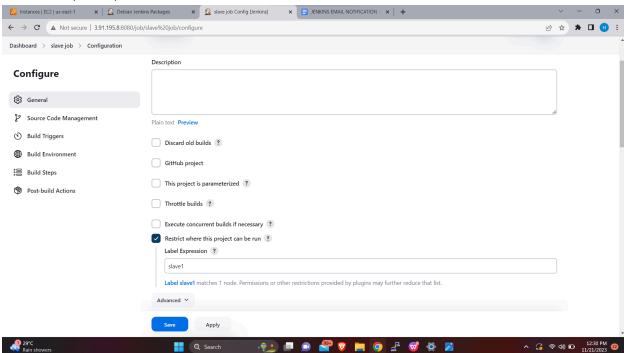
へ G 令 (4)) **D** 11:26 AM 22

In Dashboard - New items - Enter Item name (slave job) choose Freestyle project - save

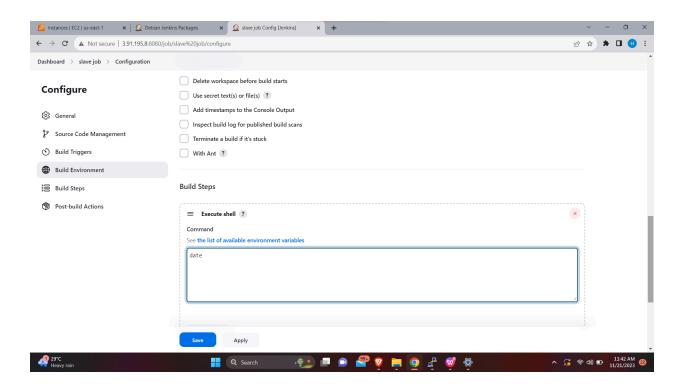
Q Search



In Configure - general - Choose Restrict where this project can be run - In label Expression - Choose The created(slave1) label.

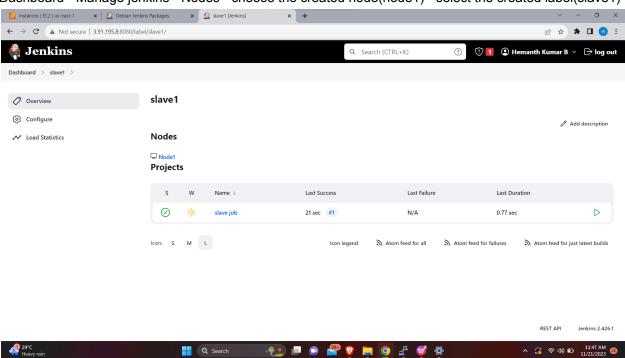


In build Steps - Create a Execute Shell - Save.



Now Ensure the Created Project is properly executed in the Node1 slave server.

Dashboard - Manage jenkins - Nodes - choose the created node(node1) - select the created label(slave1)



Successfully configured Master/Slave server. Managed both master and slave server (In sync) with help of creating Node in jenkins dashboard web server.