• MASTER AND SLAVE CONFIGURATION

- Create an EC2 instance for Jenkins Slavenode server and connect instance with using ssh

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- Edit the sudoers file to edit the file command is
- sudo vi /etc/sudoers

- add   slave-5   (ALL)   NOPASSWD:ALL

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- Creating a new user with sudo useradd tomcat

- Adding password to user with sudo passwd tomcat

- login as user -> sudo su – tomcat

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ec2-user@ip-10-0-0-12 ~]$ sudo useradd tomcat
[ec2-user@ip-10-0-0-12 ~]$ sudo passwd tomcat
Changing password for user tomcat.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-10-0-0-12 ~]$ sudo vi /etc/sudoers
[ec2-user@ip-10-0-0-12 ~]$ sudo vi /etc/ssh/sshd_config
[ec2-user@ip-10-0-0-12 ~]$ ssh-keygen -t rsa -N "" -f /home/tomcat/.ssh/id_rsa
Generating public/private rsa key pair.
Saving key "/home/tomcat/.ssh/id_rsa" failed: Permission denied
[ec2-user@ip-10-0-0-12 ~]$ sudo su tomcat
[tomcat@ip-10-0-0-12 ec2-user]$ cd
```
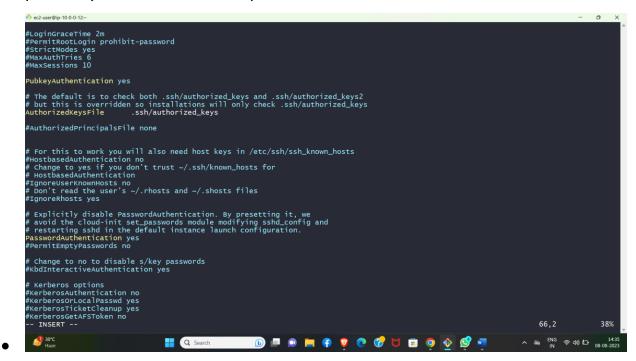
- And give the permissions at sudo vi /etc/ssh/sshd_config you can give publickey authentication and passwd authentication

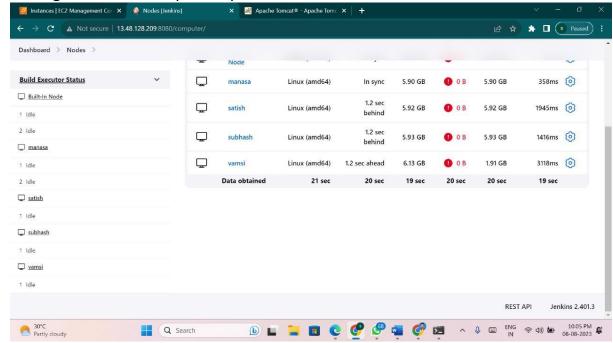

- Create ssh key for Slave-5 user with ssh key using -> ssh-keygen -t rsa -N "" -f /home/tomcat/.ssh/id_rsa

- Going inside the directory -> cd .ssh

- id_rsa and id_rsa.pub created

- copy the public key to the authorised_keys

- give permission to the authorized keys using the command chmod 700 authorized_keys

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su: user tomcat does not exist or the user entry does not contain all the requir
ed fields
[ec2-user@ip-10-0-0-12 ~]$ sudo useradd tomcat
[ec2-user@ip-10-0-0-12 ~]$ sudo passwd tomcat
Changing password for user tomcat.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-10-0-0-12 ~]$ sudo vi /etc/sudoers
[ec2-user@ip-10-0-0-12 ~]$ sudo vi /etc/ssh/sshd_config
[ec2-user@ip-10-0-0-12 ~]$ ssh-keygen -t rsa -N "" -f /home/tomcat/.ssh/id_rsa
Generating public/private rsa key pair.
Saving key "/home/tomcat/.ssh/id_rsa" failed: Permission denied
[ec2-user@ip-10-0-0-12 ~]$ sudo su tomcat
[tomcat@ip-10-0-0-12 ec2-user]$ cd
[tomcat@ip-10-0-0-12 ~]$ ssh-keygen -t rsa -N "" -f /home/tomcat/.ssh/id_rsa
Generating public/private rsa key pair.
Created directory '/home/tomcat/.ssh'.
Your identification has been saved in /home/tomcat/.ssh/id_rsa
Your public key has been saved in /home/tomcat/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:xLvNieJJT72qRr/mHXhu20mhAeci3xChcOZVJqcRQI4 tomcat@ip-10-0-0-12.ap-south-
1.compute.internal
The key's randomart image is:
+---[RSA 3072]----+
|  ..=.*o+        |
|   B + B         |
|   E + * .       |
|    . *          |
|   . S o .       |
|  .o @ + .       |
|  .o.* X .       |
|  o.=o+.= .      |
|   .++=+=.o      |
+----[SHA256]-----+
[tomcat@ip-10-0-0-12 ~]$ cd .ssh
[tomcat@ip-10-0-0-12 .ssh]$ cat id_rsa.pub > authorized_keys
[tomcat@ip-10-0-0-12 .ssh]$ chmod 700 authorized_keys
```
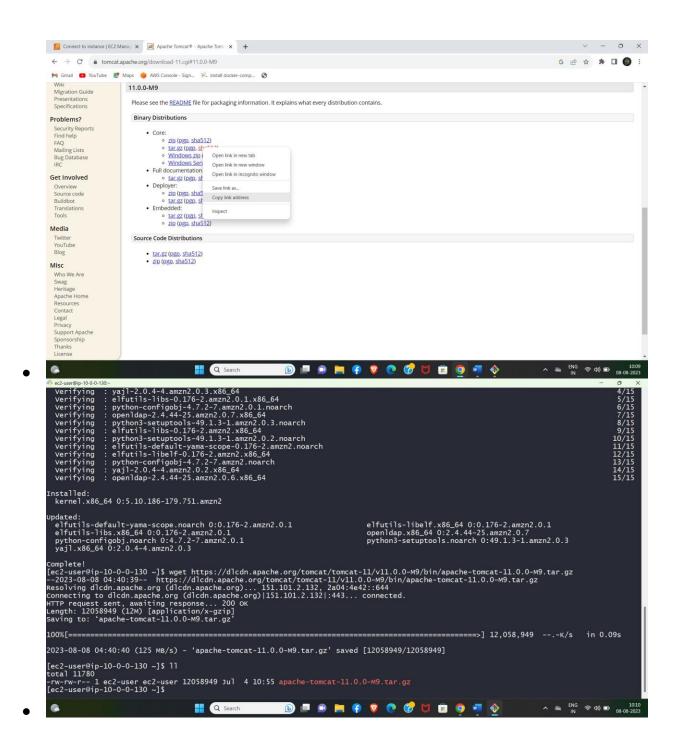
- Then give user id and public ip to master then connect to master

Node							
manasa	Linux (amd64)	In sync	5.90 GB	0 B	5.90 GB	358ms
satish	Linux (amd64)	1.2 sec behind	5.92 GB	0 B	5.92 GB	1945ms
subhash	Linux (amd64)	1.2 sec behind	5.93 GB	0 B	5.93 GB	1416ms
vamsi	Linux (amd64)	1.2 sec ahead	6.13 GB	0 B	1.91 GB	3118ms
Data obtained	21 sec	20 sec	19 sec	20 sec	20 sec	19 sec

- Then you can install tomcat on slave and also install java and git and maven

- Then unzip the tar file using tar -xvzf apache-tomcat-version.tar.gz

- Then go into the unzipped file

- Go in to webapp/manager/META-INF/open context,xml file using vi command and hide value line

- Go in to webapp/host-manager/META-INF/open context,xml file using vi command and hide value line

- Then go to conf and open server.xml file and change port

- Go to conf/ open tomcat-user.xml

- Then go to bin/ start the tomcat engine using ./startup.sh

- Then browse the public ip

- And copy the path like http://13.235.9.47:8081/
- And copy github url [amar-m-cloud/maven-project (github.com)](amar-m-cloud/maven-project)
- Then send it for master
- After deployment browse the refresh the output page

- Then show output webapp and click on webap

Hello, DevOps Engineers You Cracked it Just Relax for sum time

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