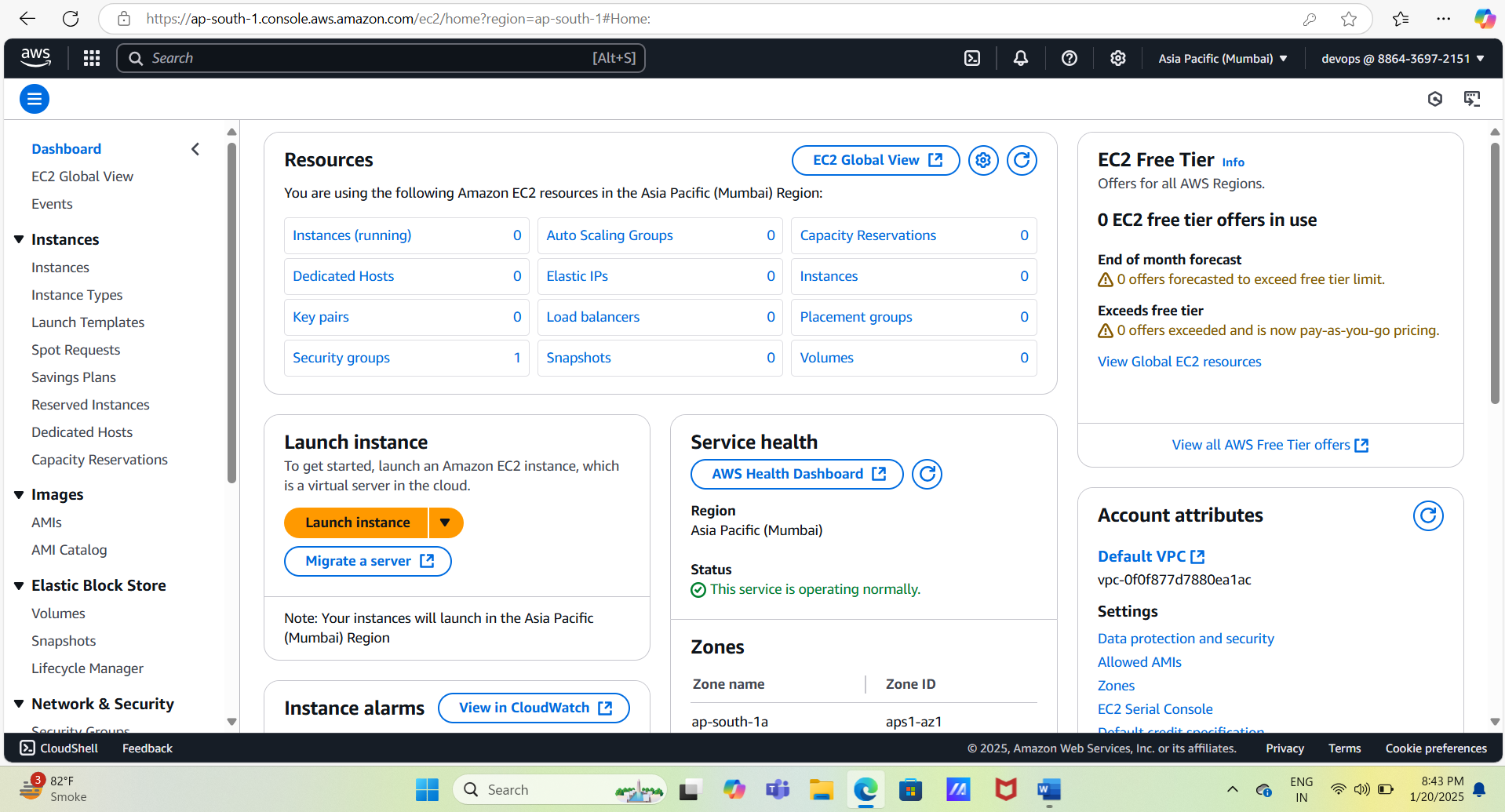
**Installation of Jenkins on AWS EC-2 Linux**

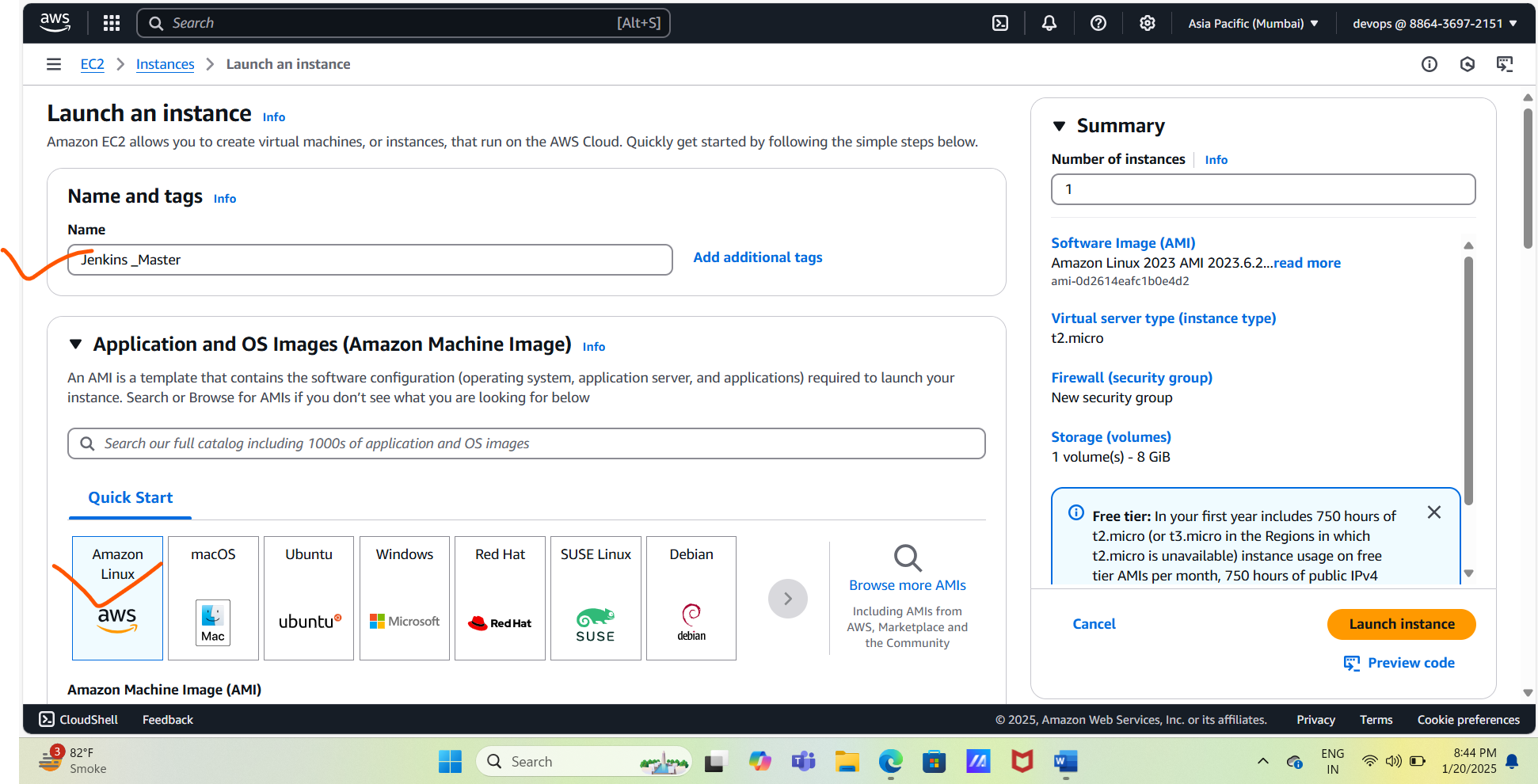
**#Open AWS Console**

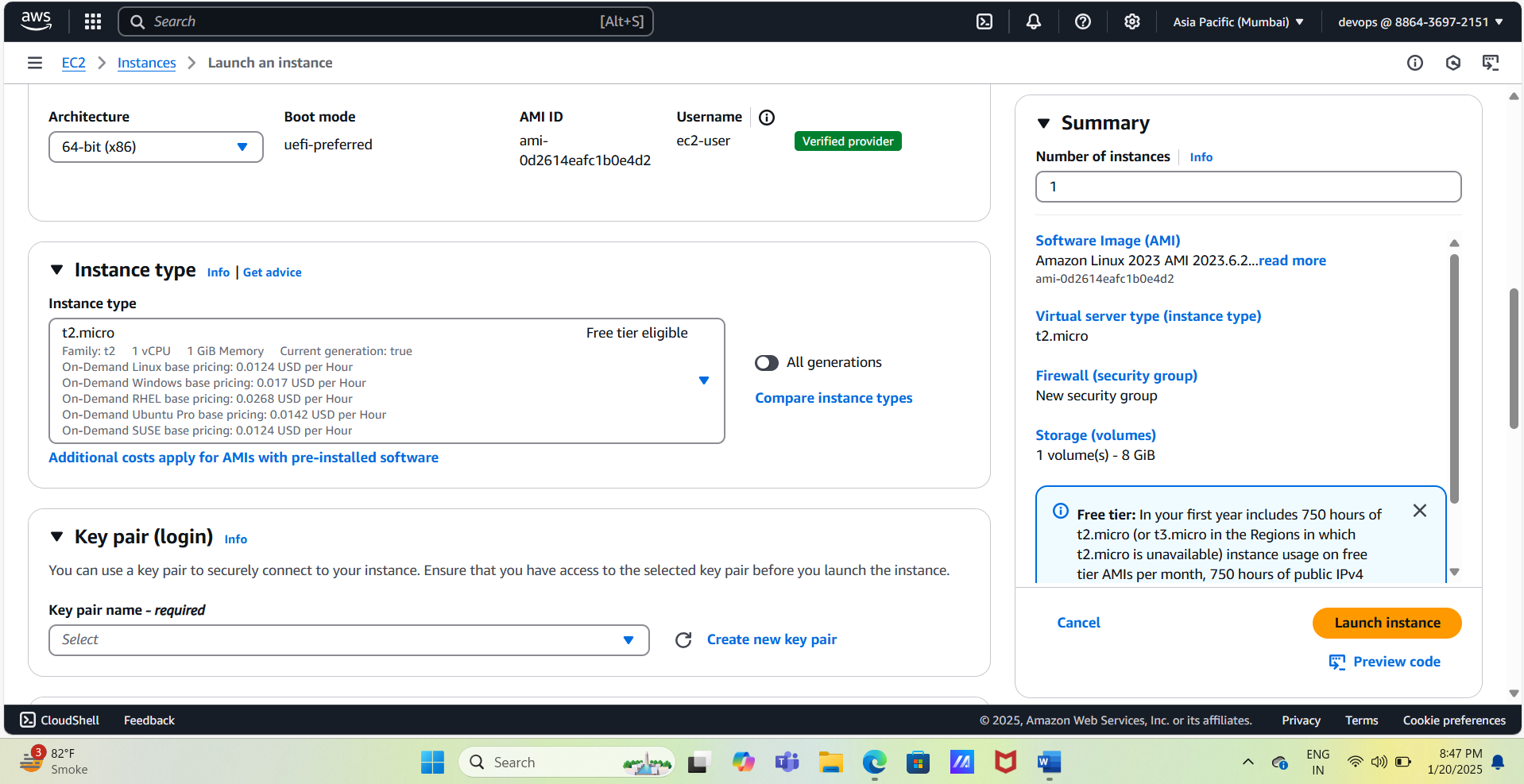
**#Open EC-2 AWS service**

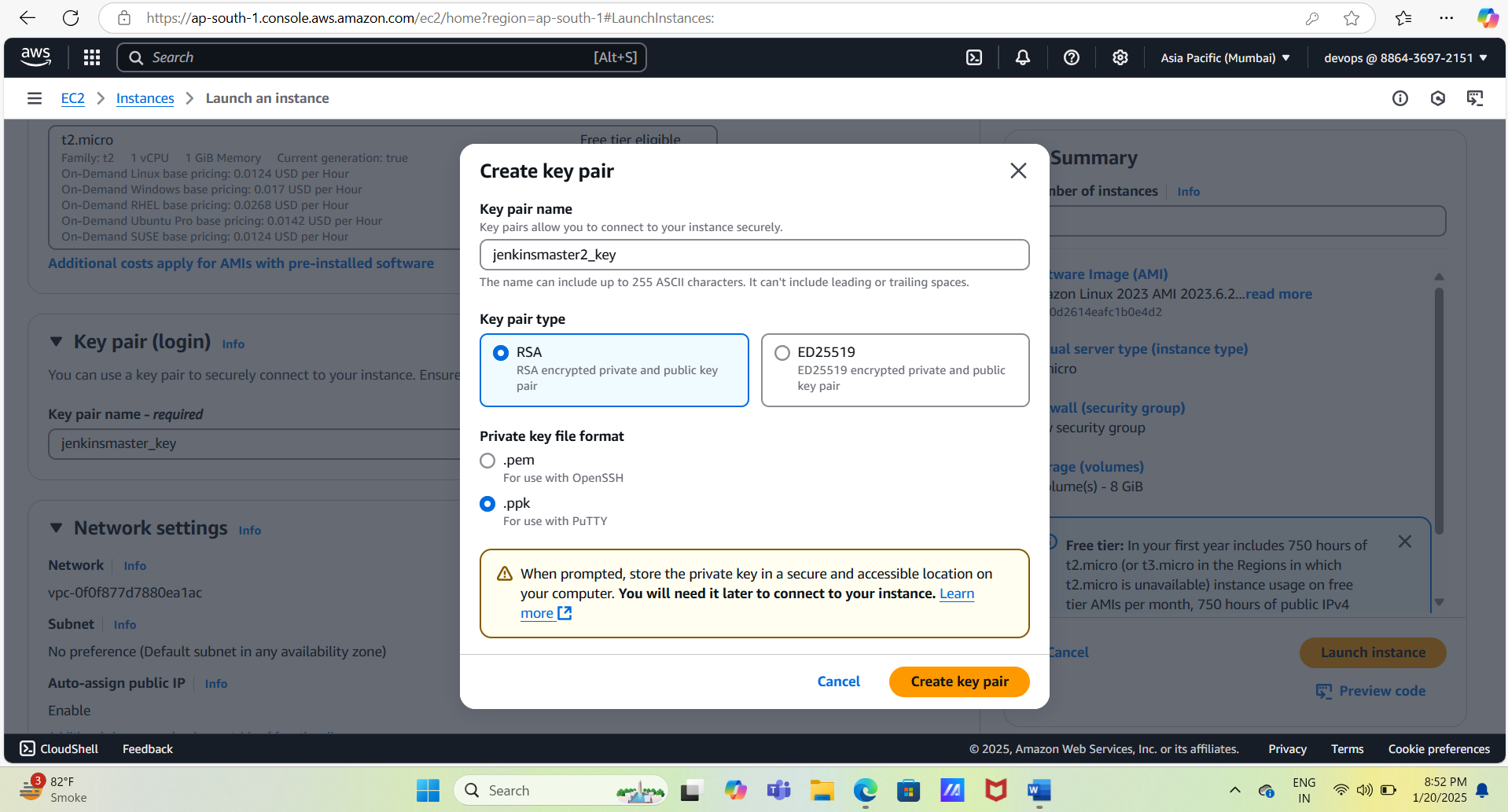
**#Click on Launch Instance with below details.**

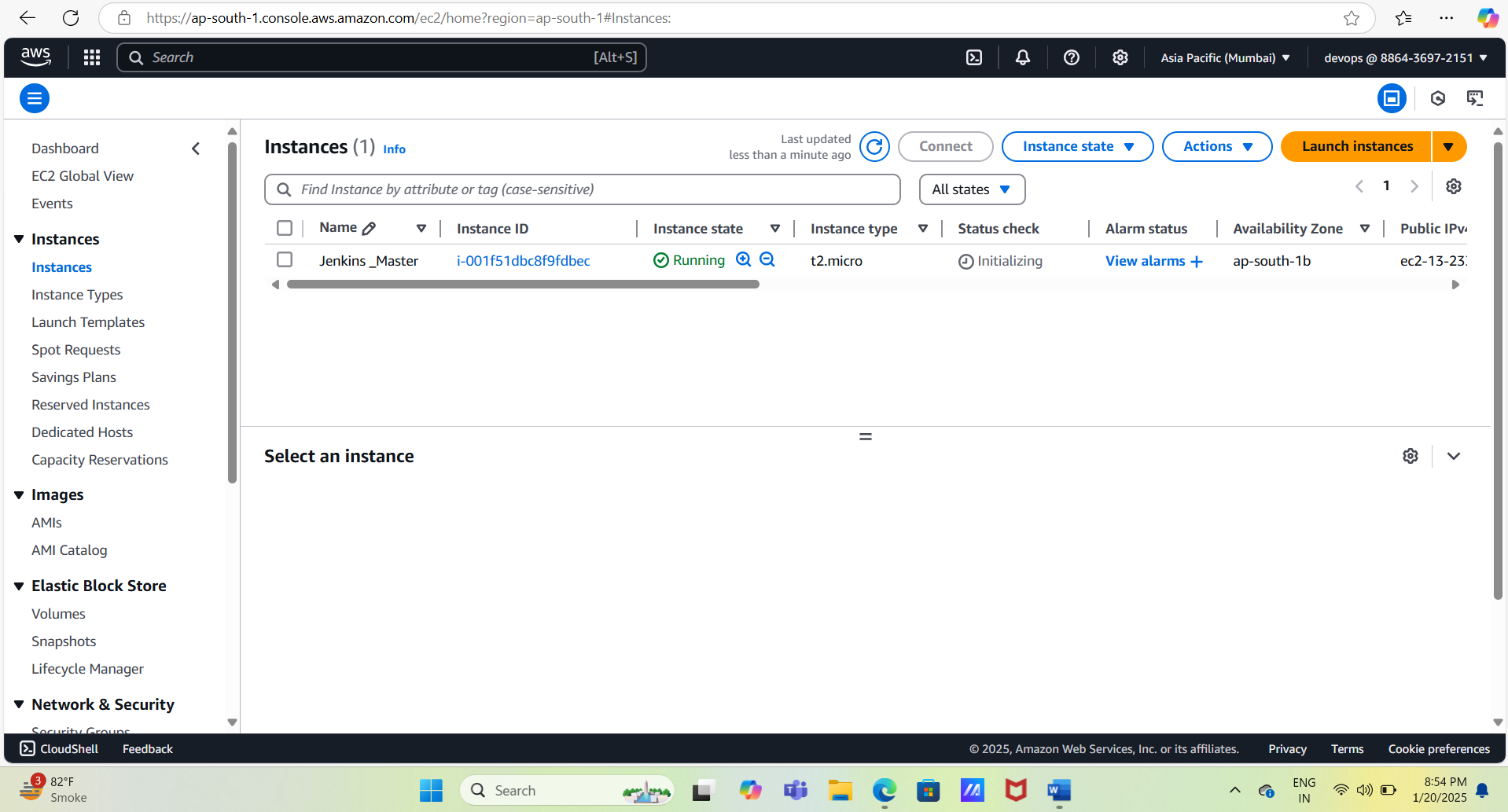
1. **Name of machine**
2. **Select OS as Amazon Linux**
3. **In Asia Pacific (Mumbai) zone**
4. **Select instance type as t2. micro free tier**
5. **Create key pair to access server over the putty application.**
6. **Launch AWS EC2 instance.**
7. **Click on security group and add inbound rule for port 8080-jernkins. And same rule**
8. **Now login AWS sever over the putty application using key pair.**

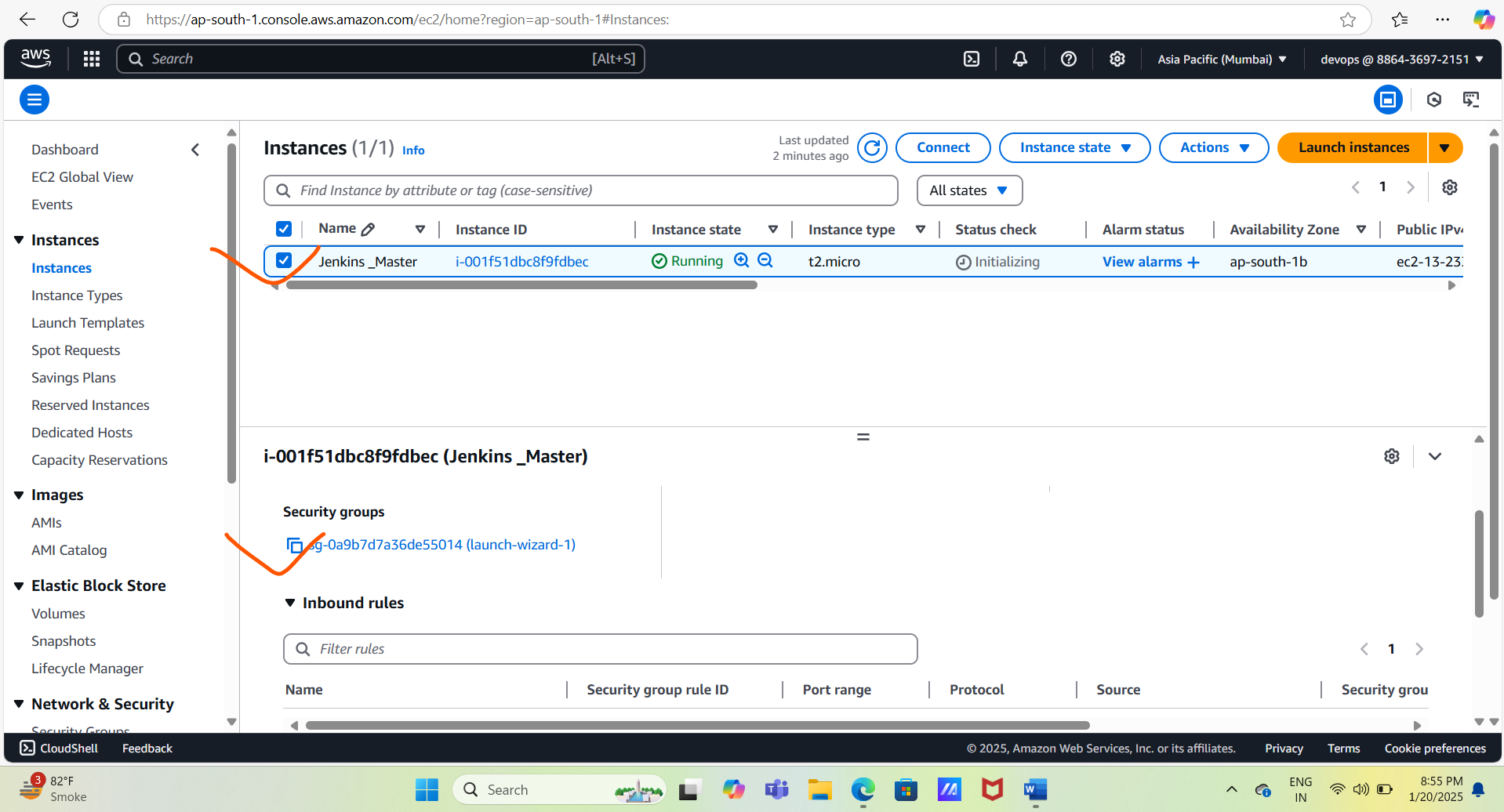
****

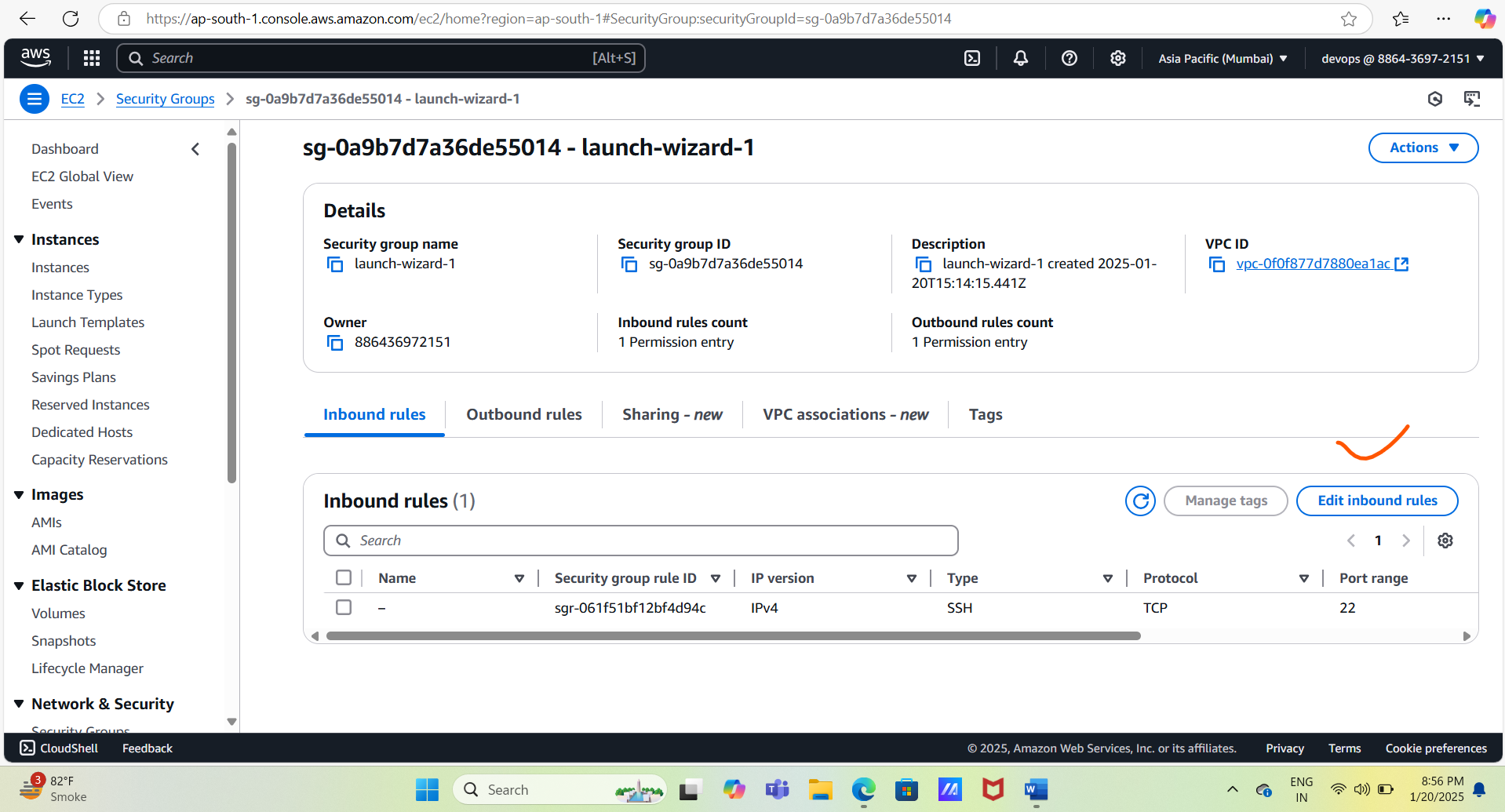
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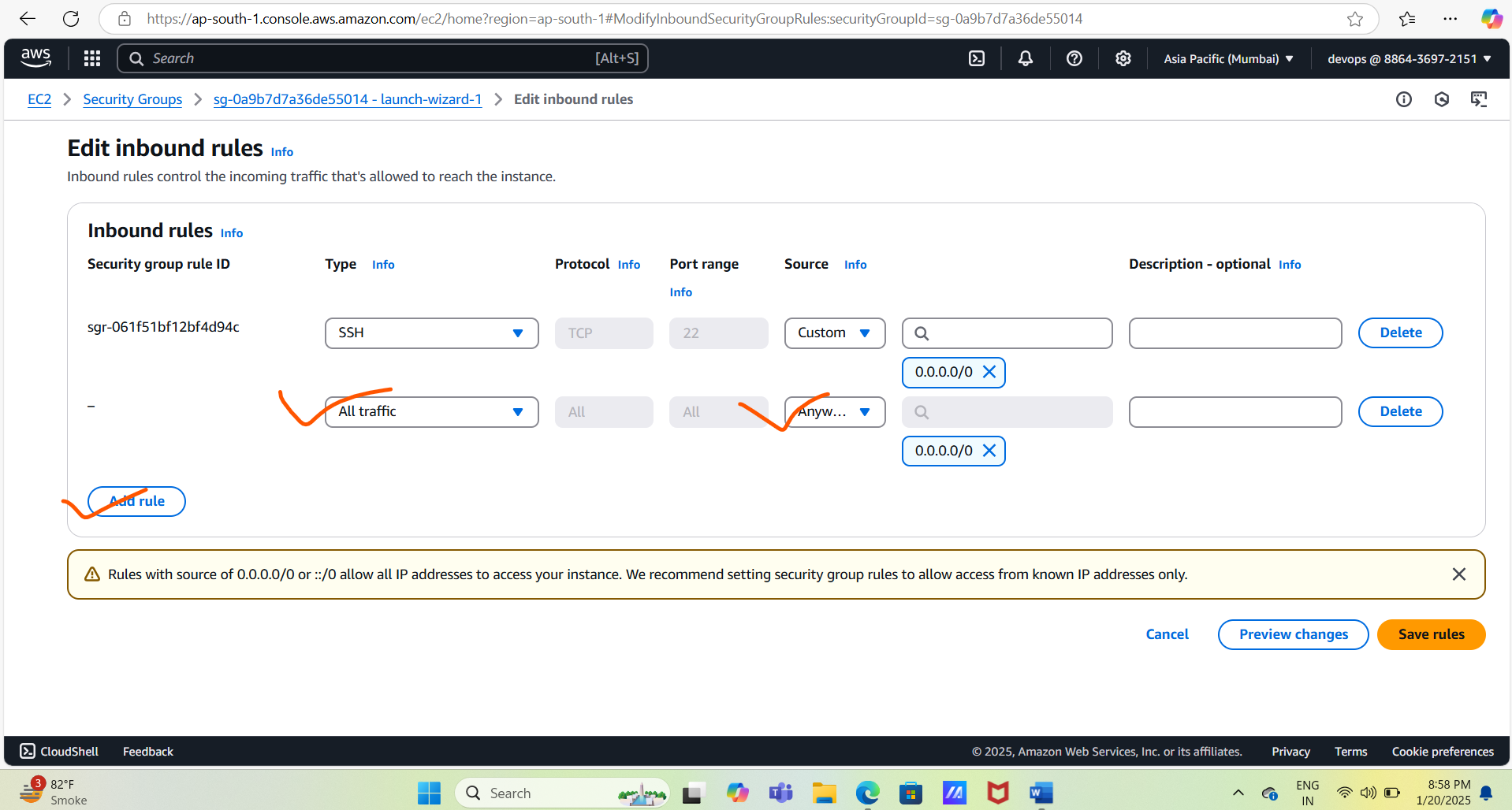
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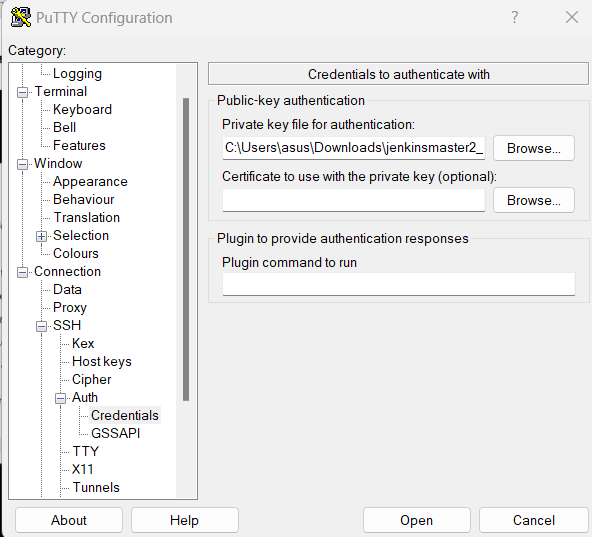
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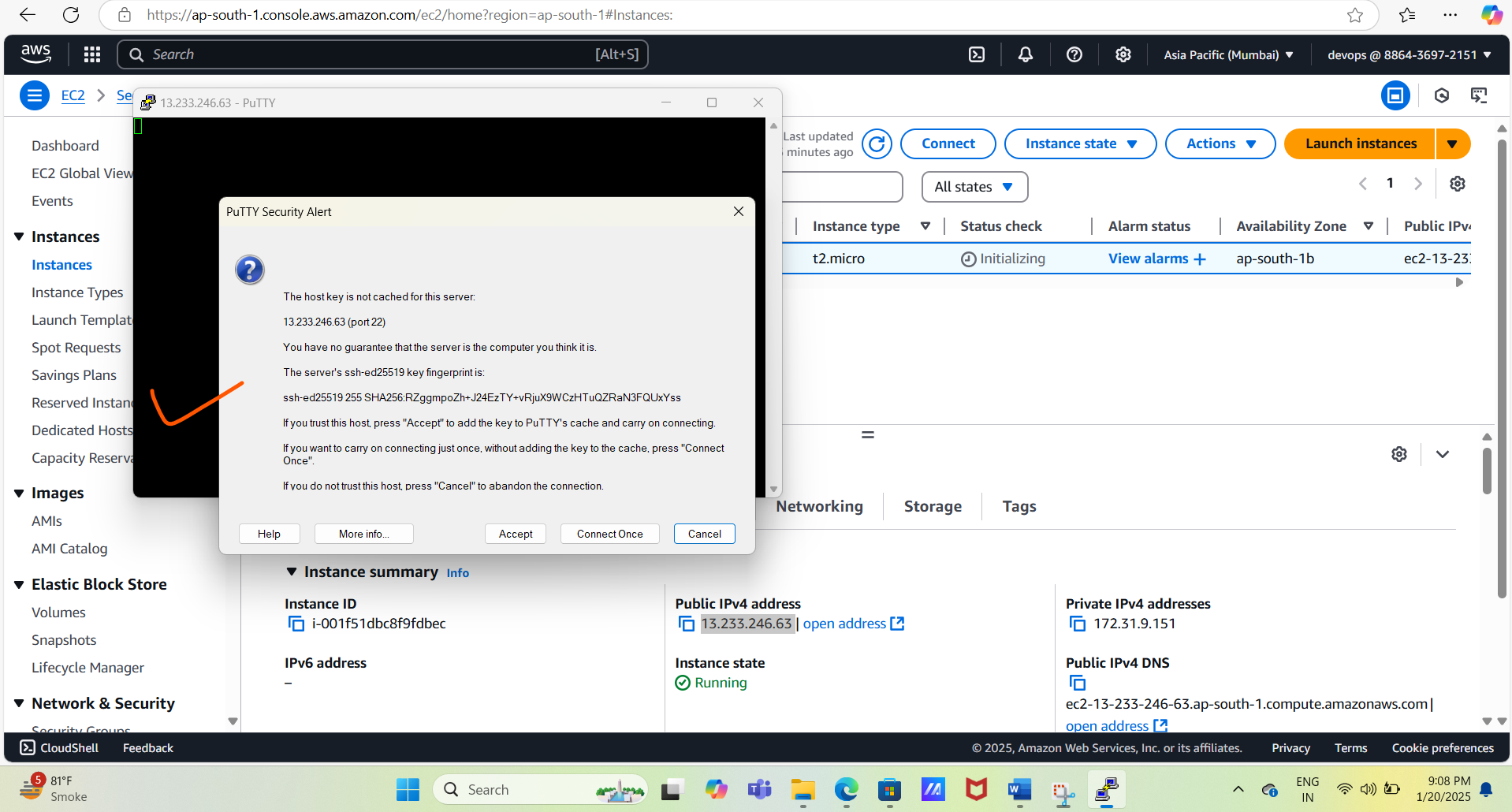
****

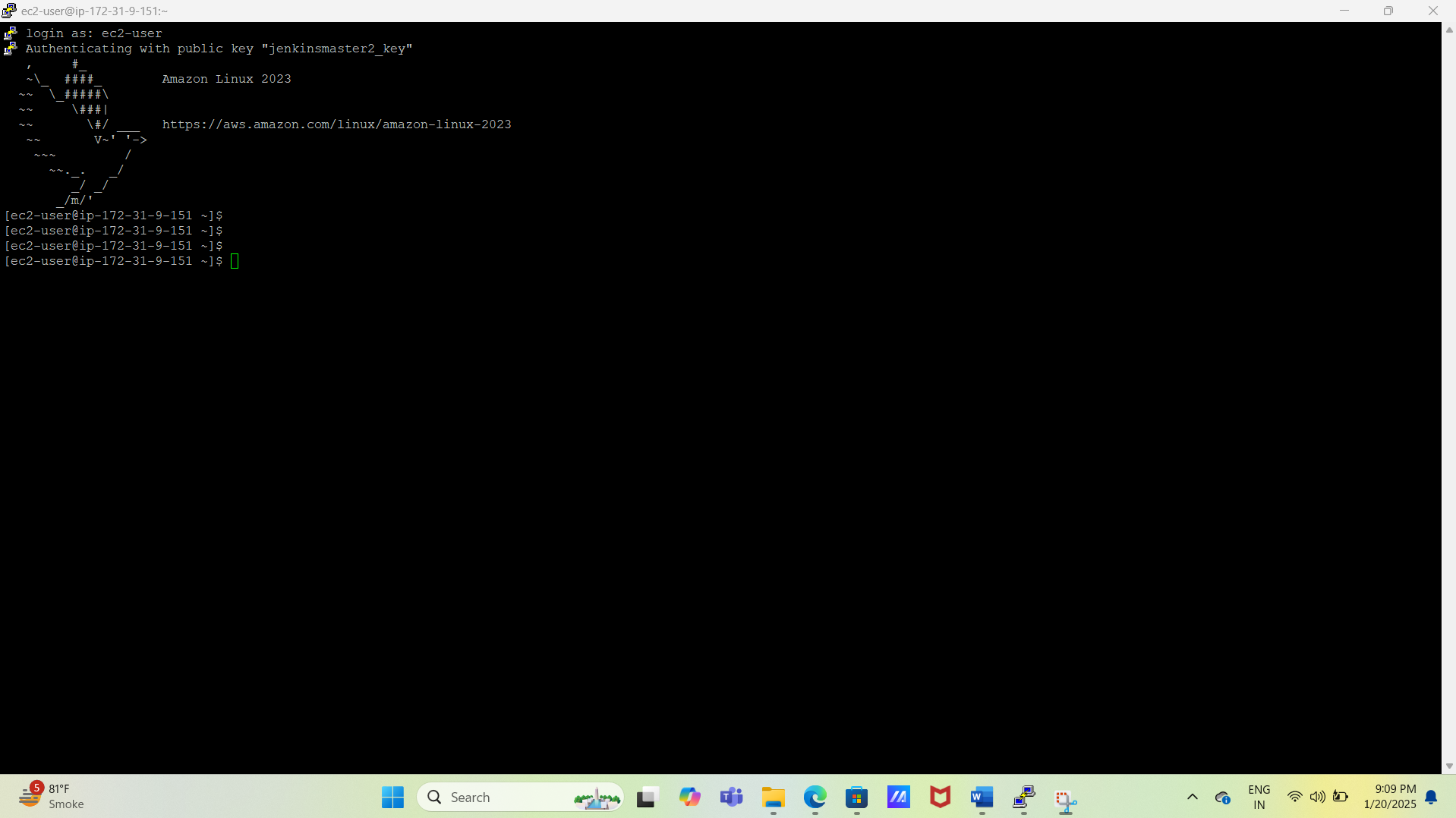
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#Installation of Jenkins and other tools which are required to use Jenkins.

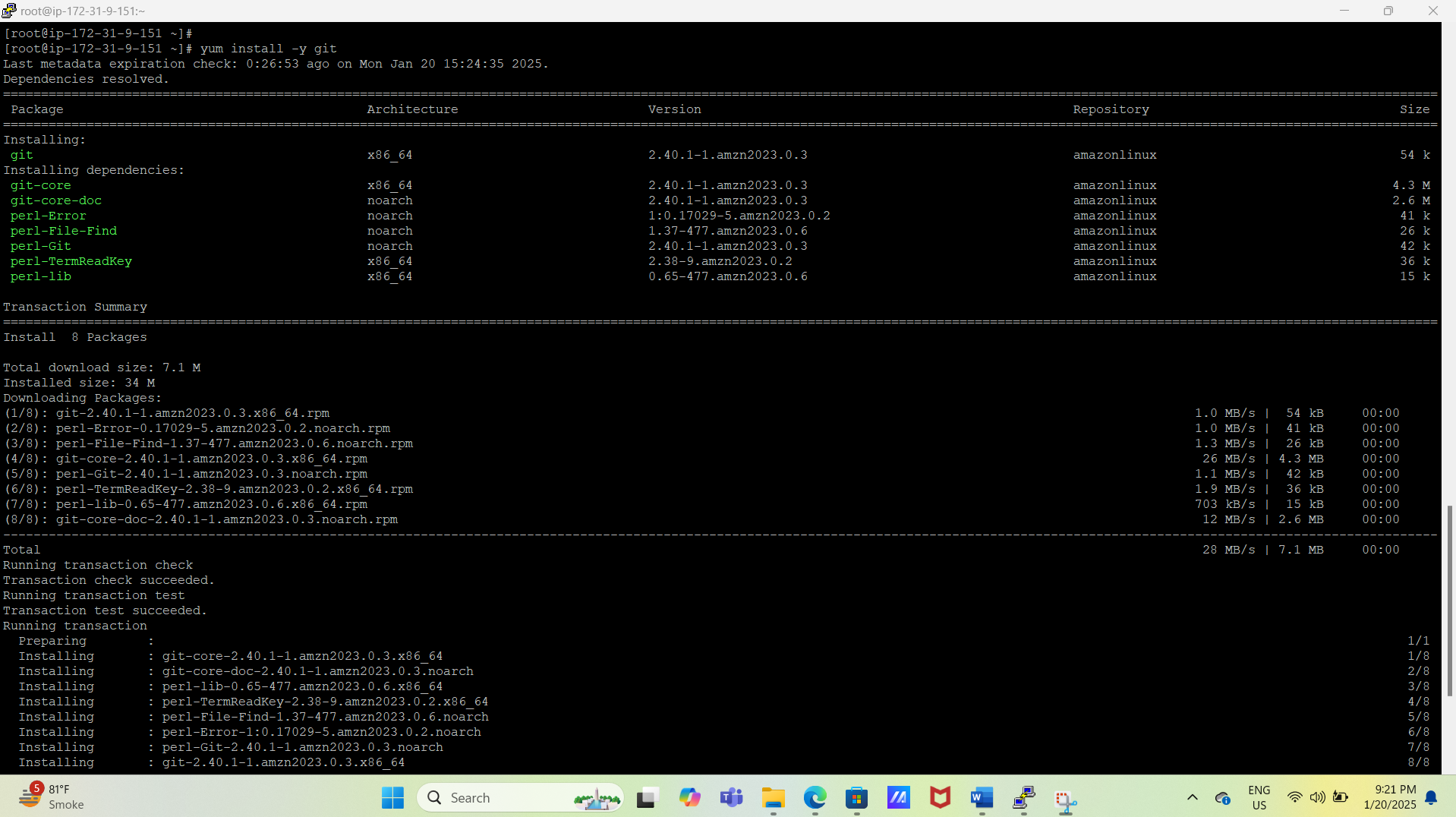
#Use command $ sudo su – to login as root.



# Update yum repo list using command $ yum -y update.



#Install git using command $ yum install -y git



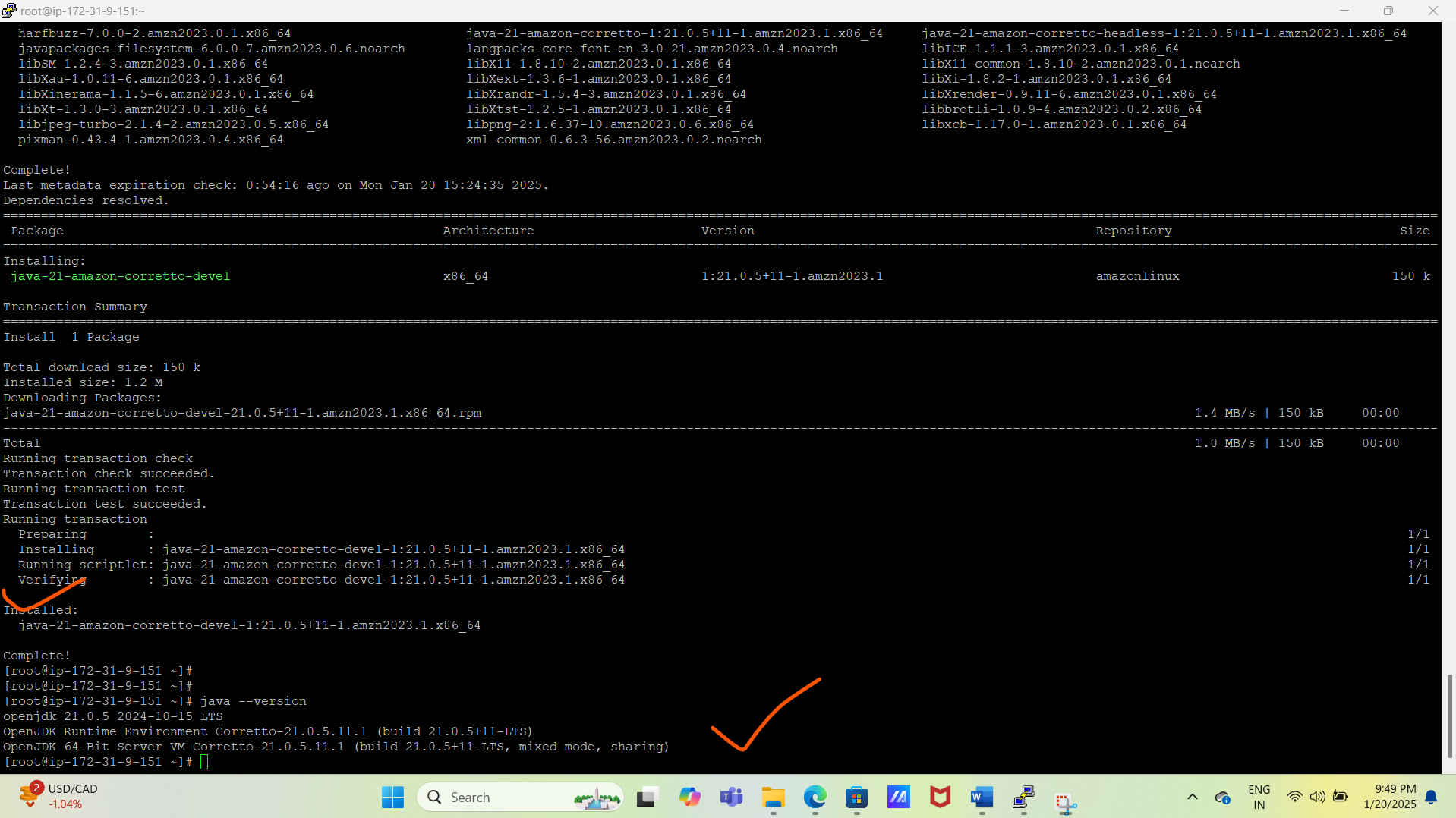
# Check git version using below command $ git –version



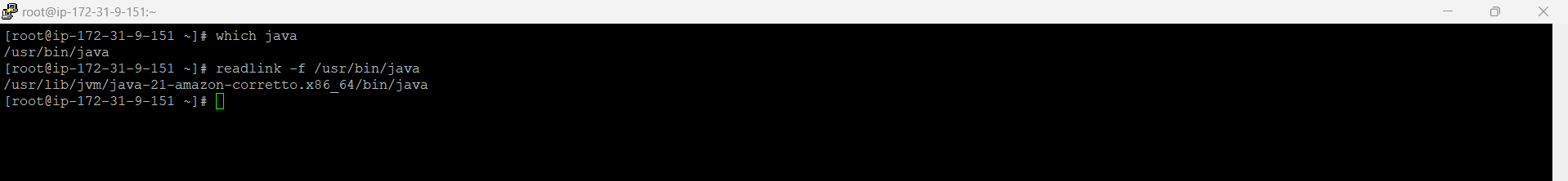
# Install java 21 using commands $ yum install -y java-21-amazon-corretto

$ yum install -y java-21-amazon-corretto-devel

$ java –version



# To check java patch of dir



# Install maven using below commands.

$ cd /opt

$ sudo wget <https://dlcdn.apache.org/maven/maven-3/3.9.9/binaries/apache-maven-3.9.9-> bin.tar.gz

$ sudo tar xvf apache-maven-3.9.9-bin.tar.gz

$ ls -ltr

$ cd

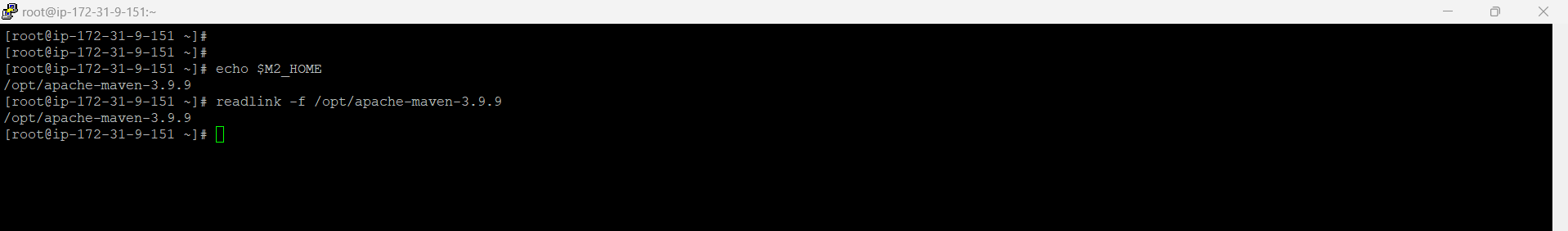
$ echo "export M2\_HOME=/opt/apache-maven-3.9.9" >> .bash\_profile

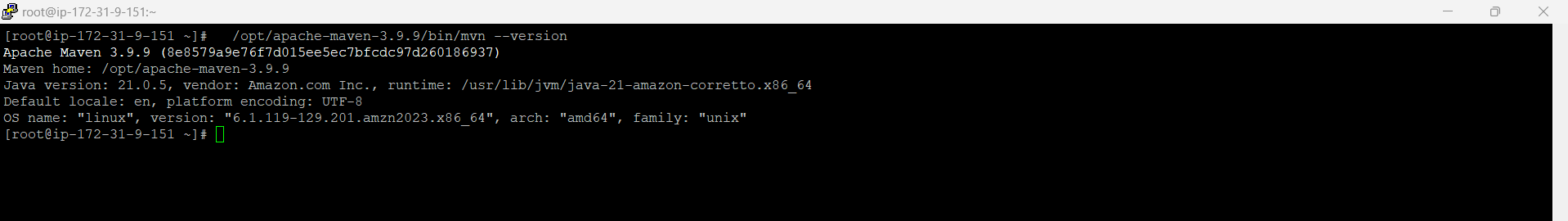
$ echo "export M2=$M2\_HOME/bin" >> .bash\_profile

$ echo "export PATH=$M2:$PATH" >> .bash\_profile

$ source ~/.bash\_profile

$ echo $M2\_HOME --to check maven dir path





# Install Jenkins using below commands.

$ sudo wget -O /etc/yum.repos.d/jenkins.repo \ https://pkg.jenkins.io/redhat-stable/jenkins.repo

$ sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

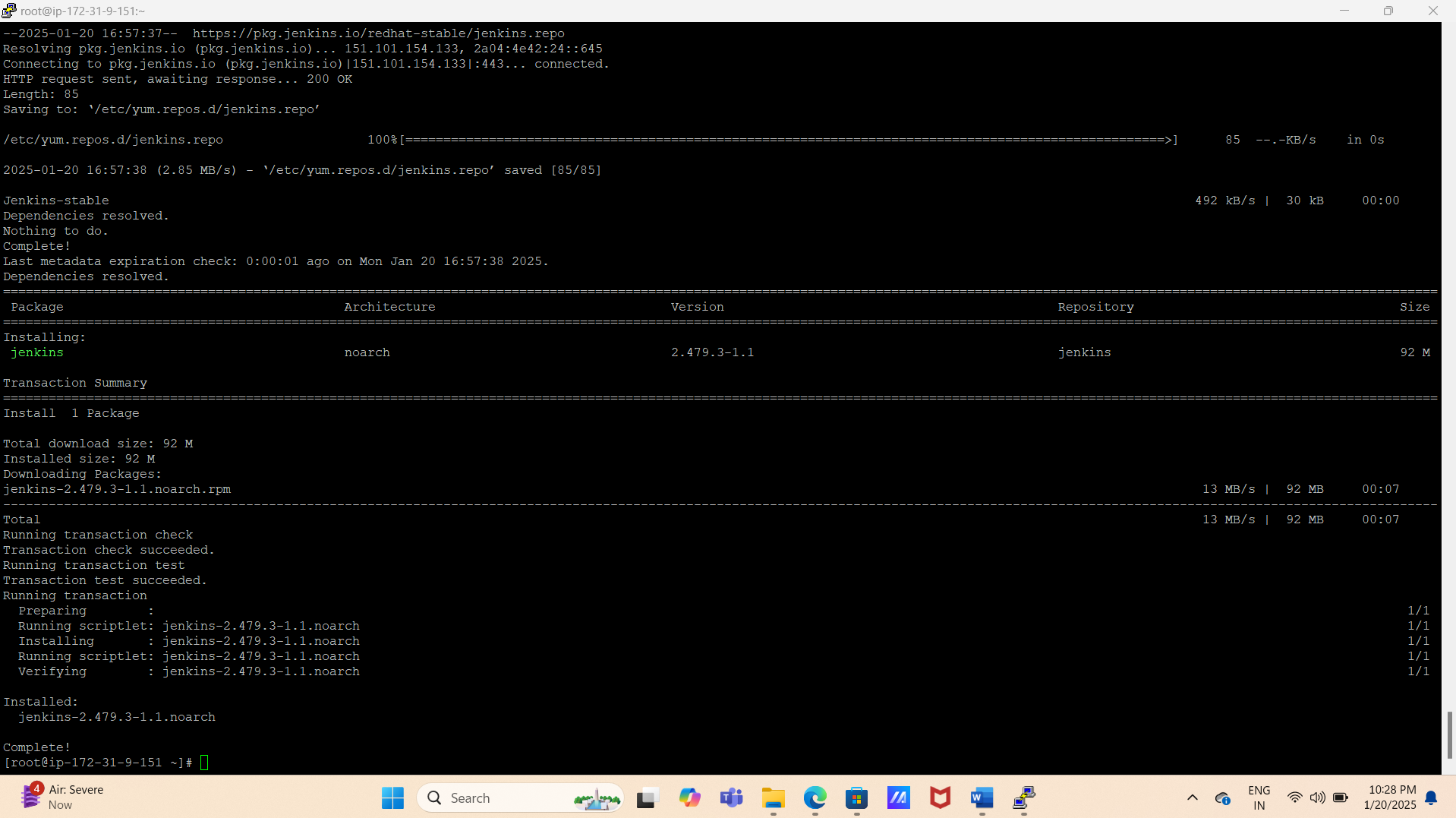
$ sudo yum upgrade

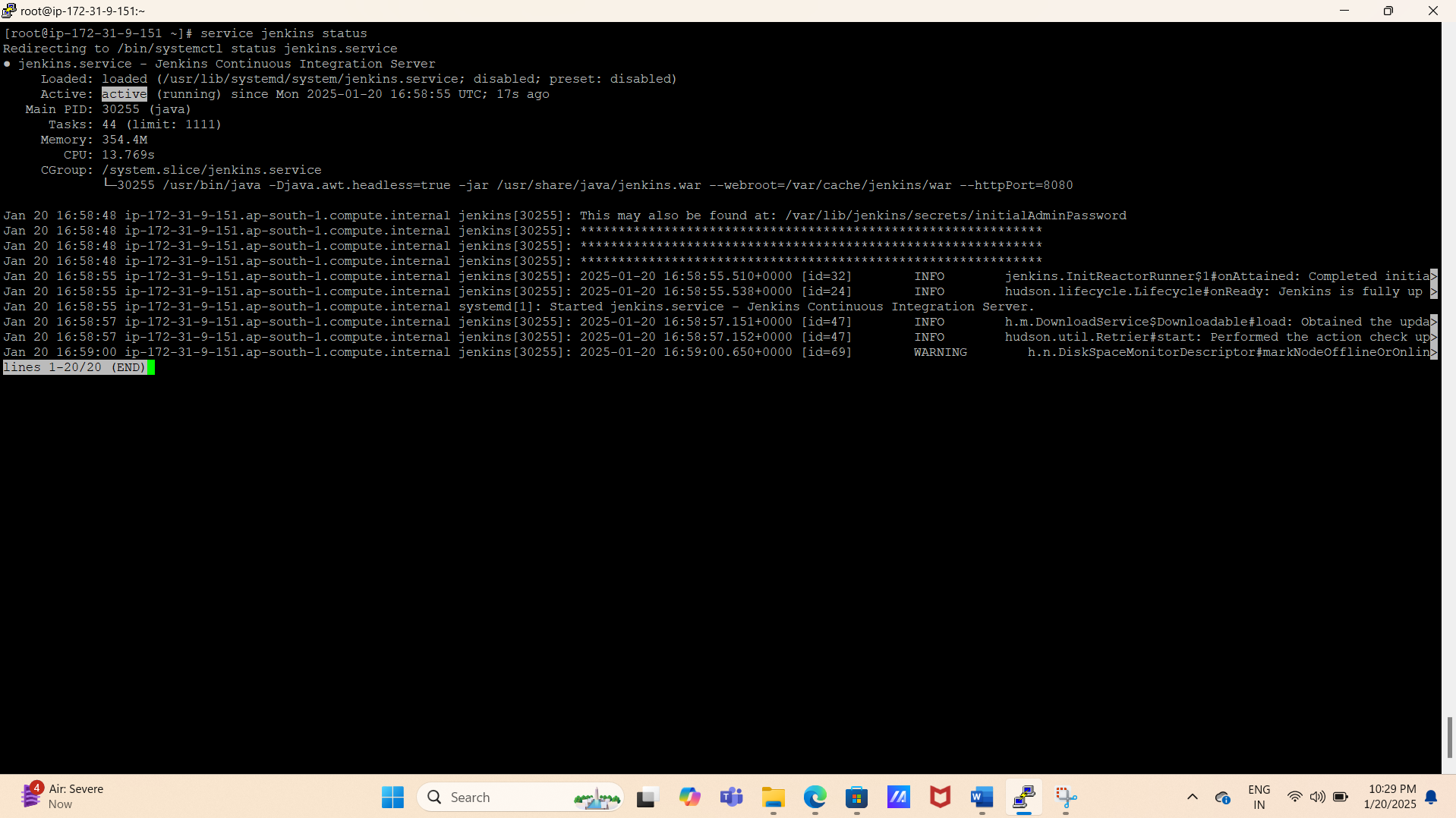
$ sudo yum install -y jenkins

$ sudo systemctl daemon-reload

$ service jenkins start

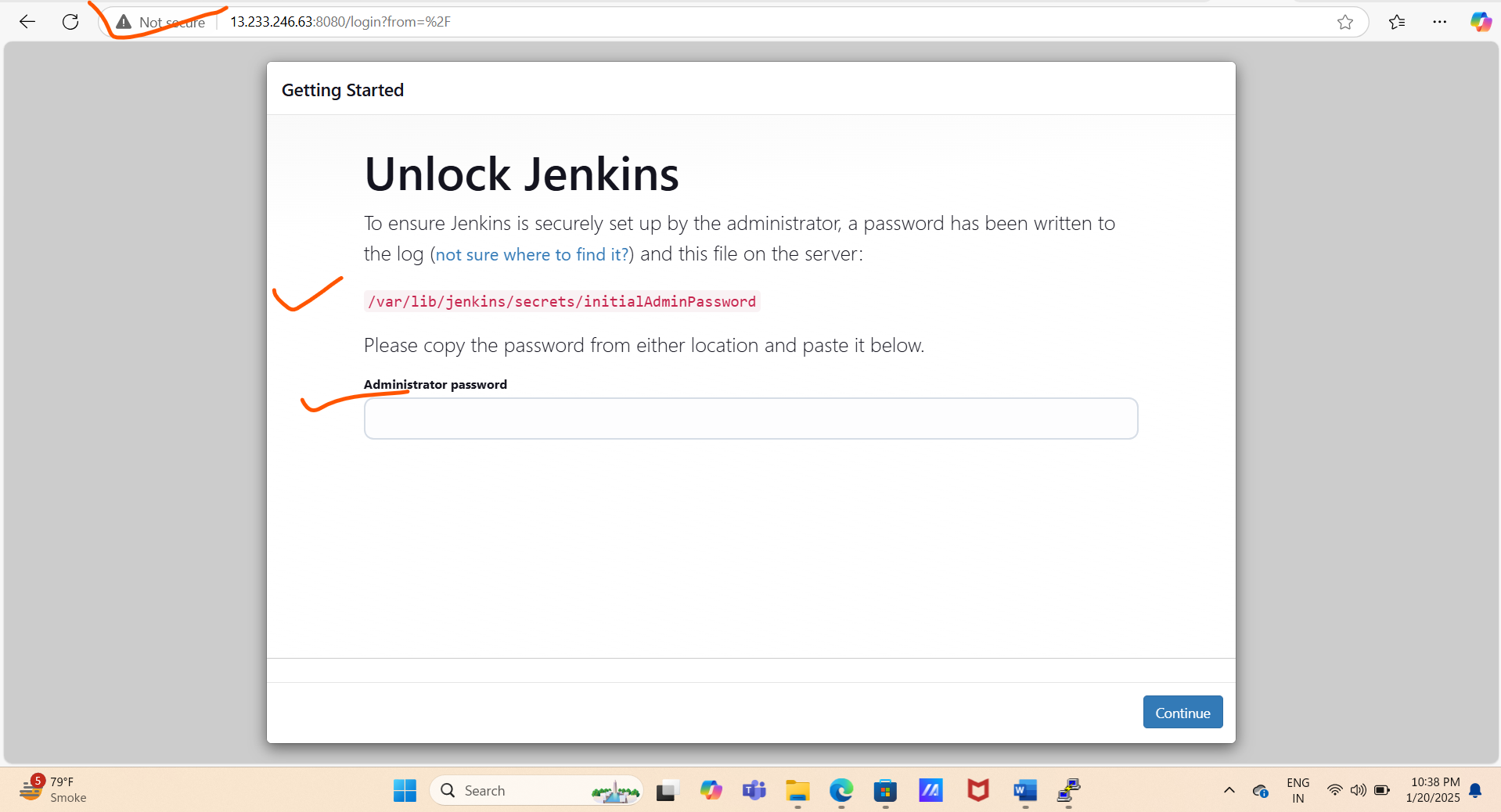
$ chkconfig jenkins on





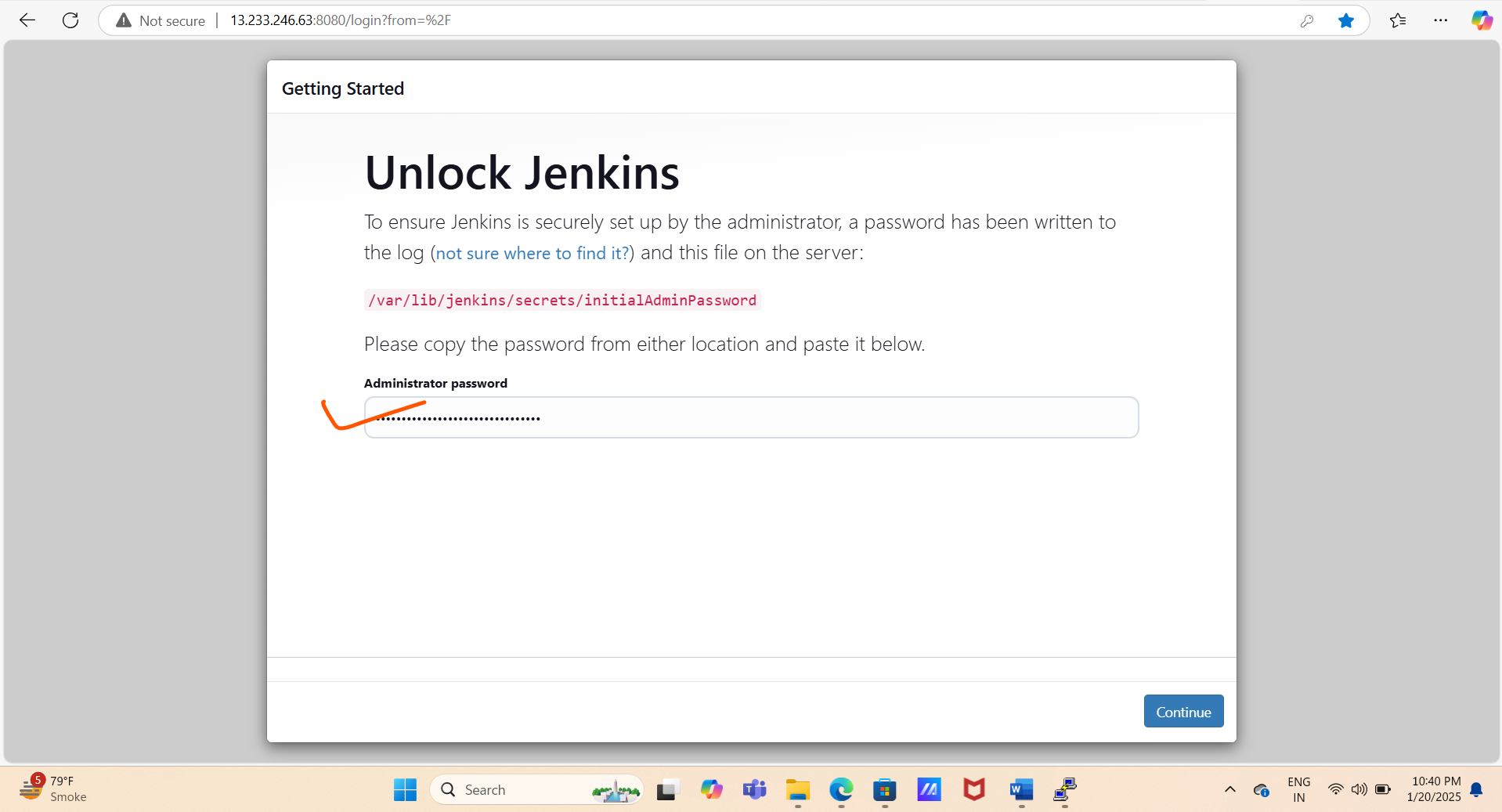
# Login Jenkins using EC2 public IP Address.

Public IP Address: - 13.233.246.63

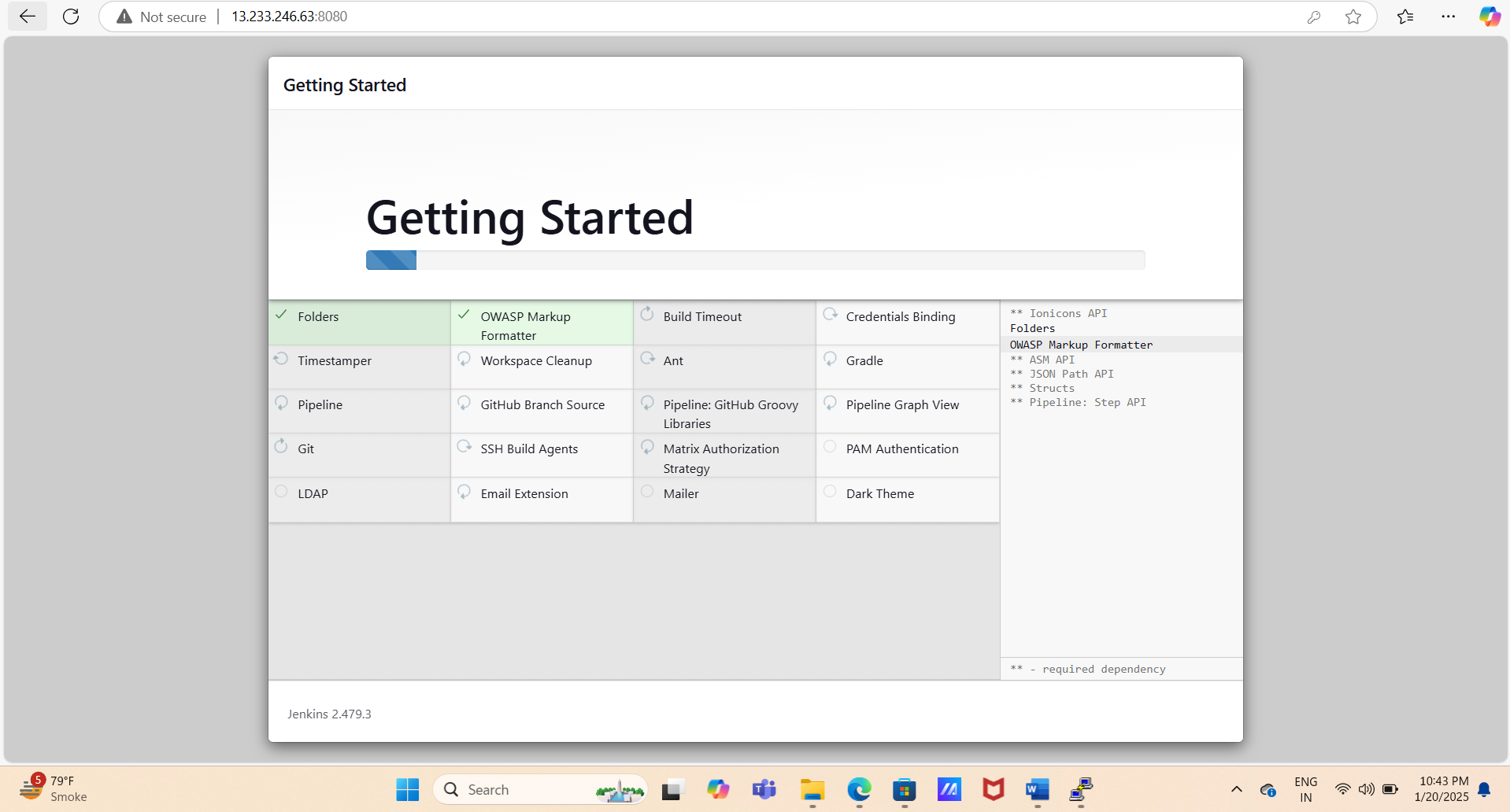


# Copy password using command.

$ /var/lib/jenkins/secrets/initialAdminPassword

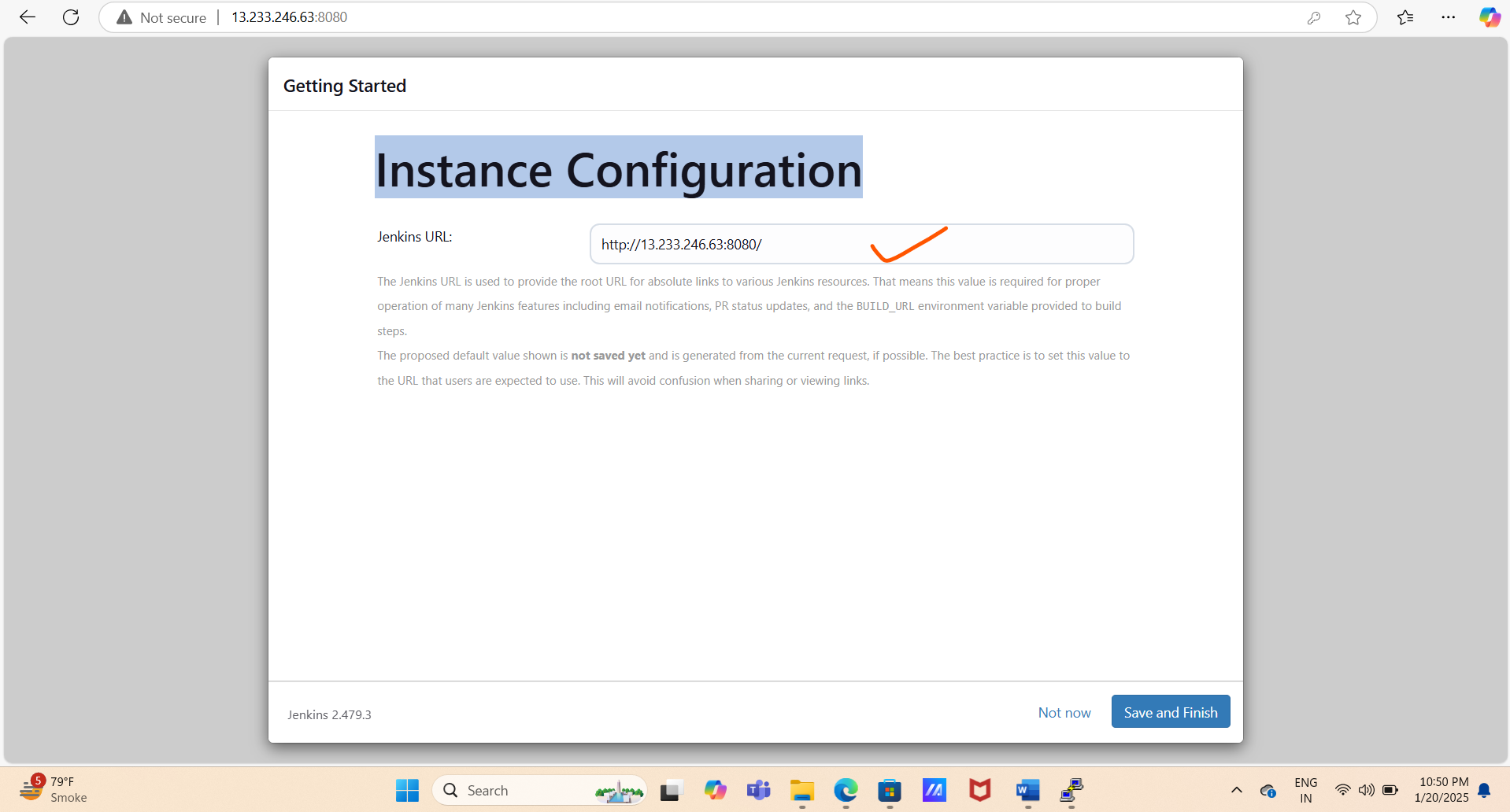


# Click in suggested default plugins and install it.

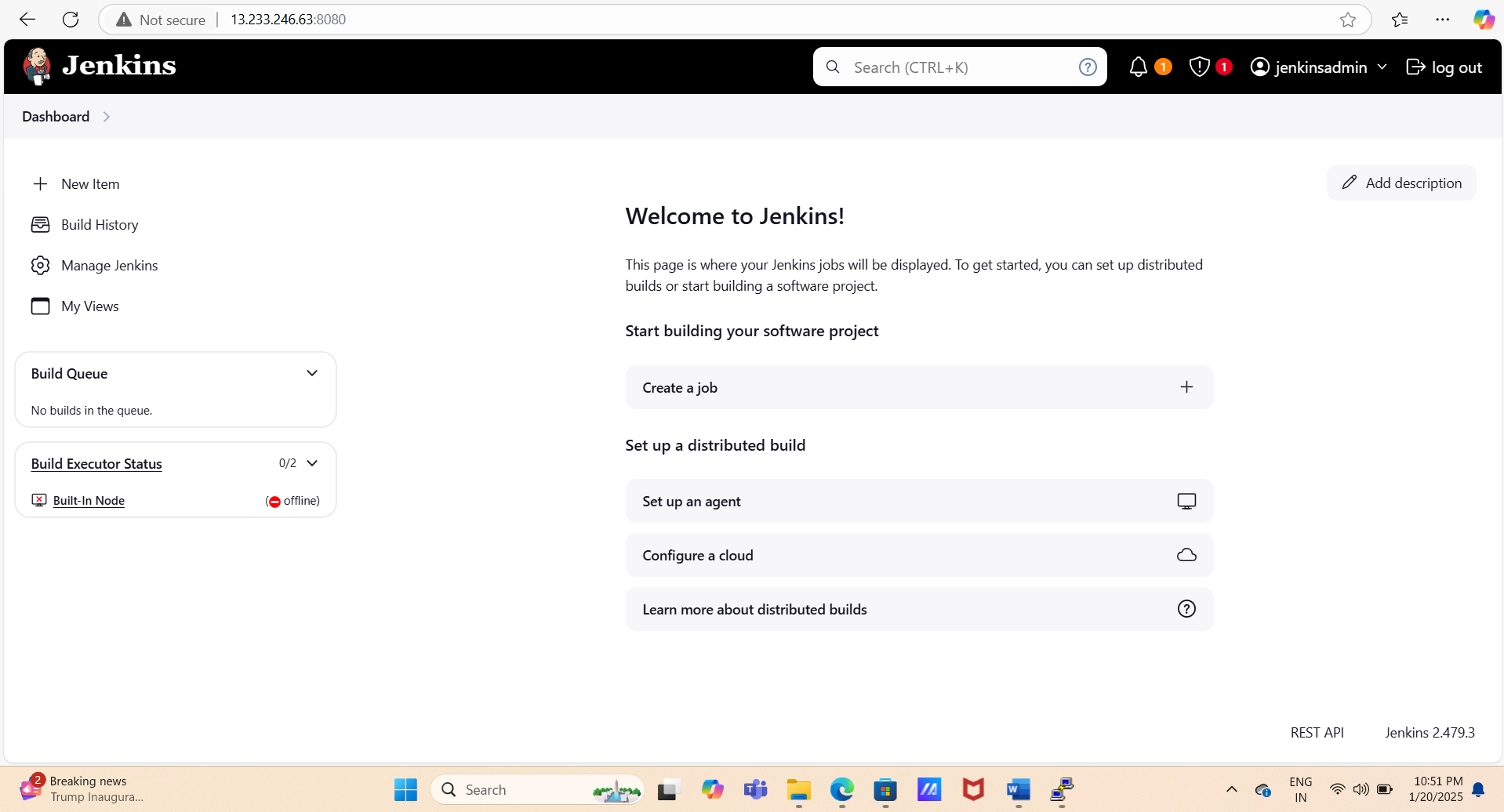


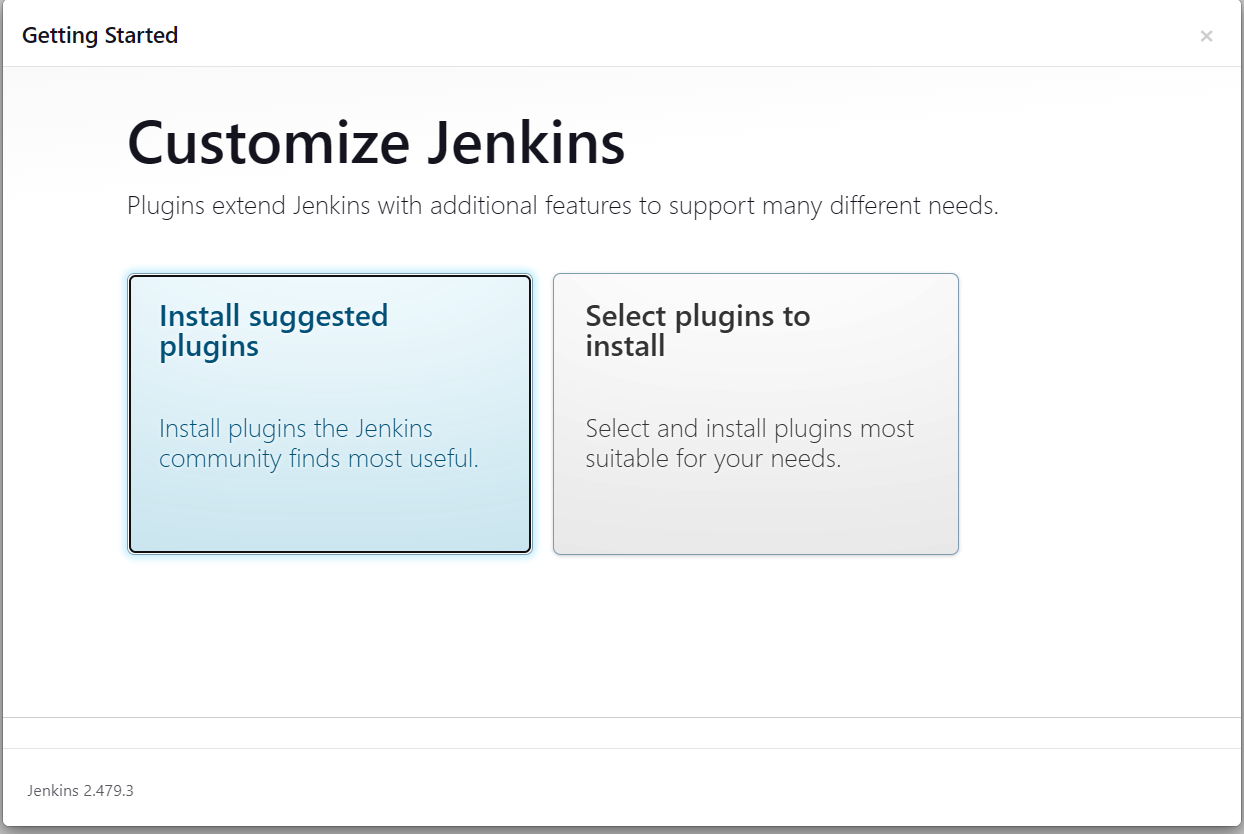
**# Create First Admin User for Jenkins. And Instance Configuration**

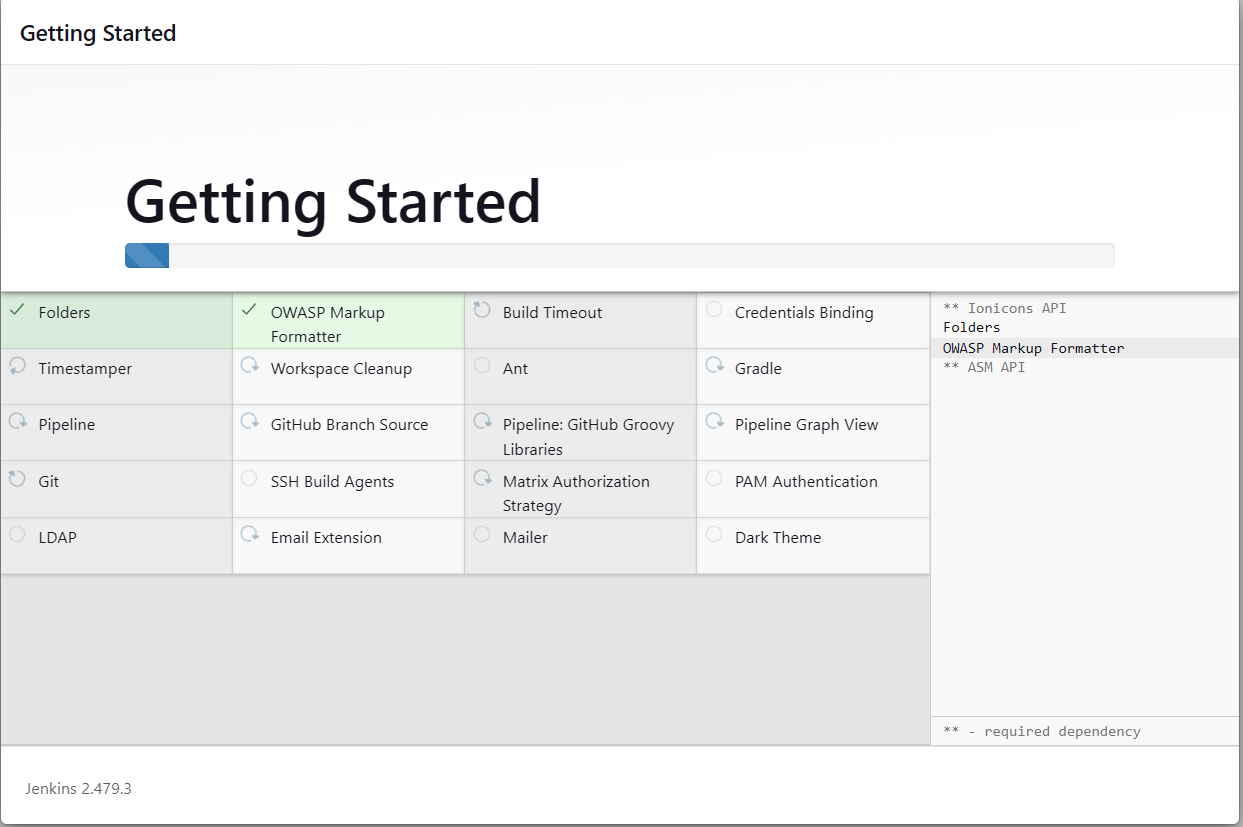
**Eg:- user id -ajay and password :- ajay@123**

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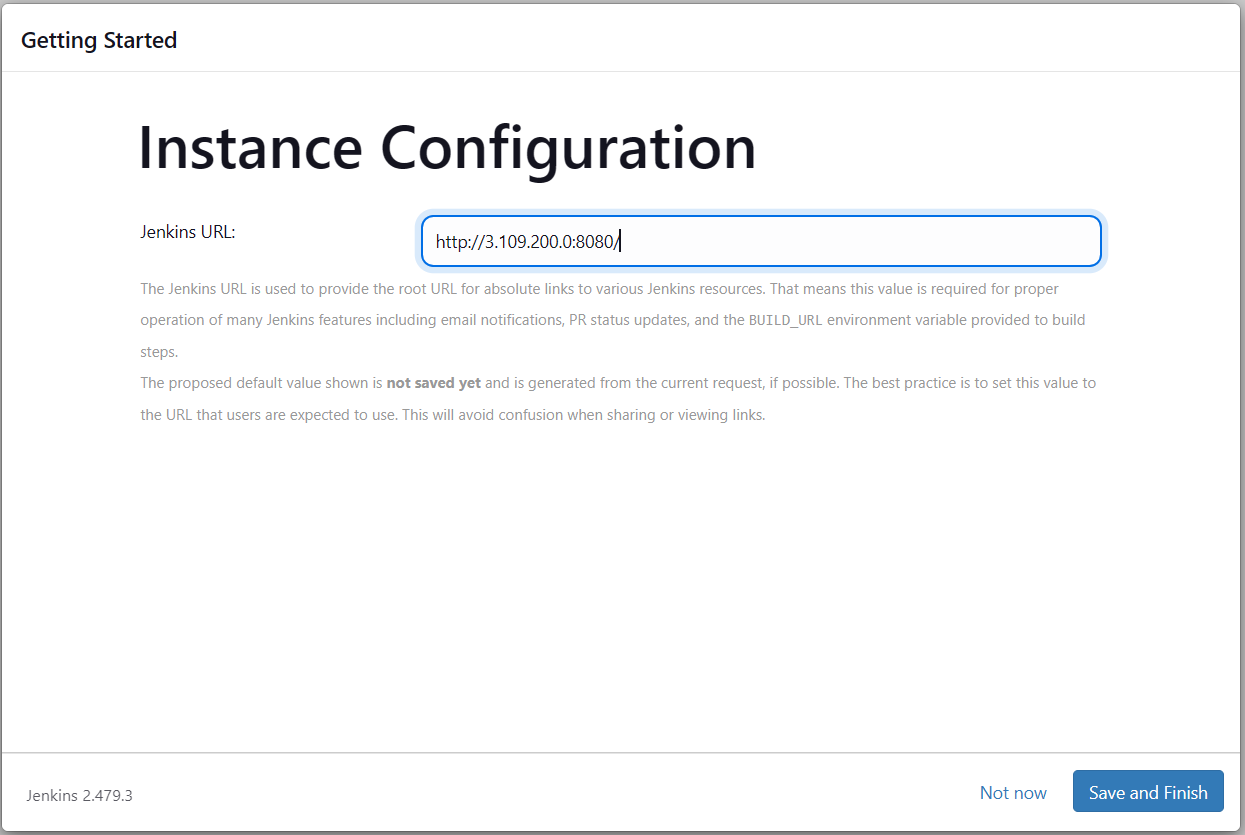
**# Jenkins Installation has been done successfully.**

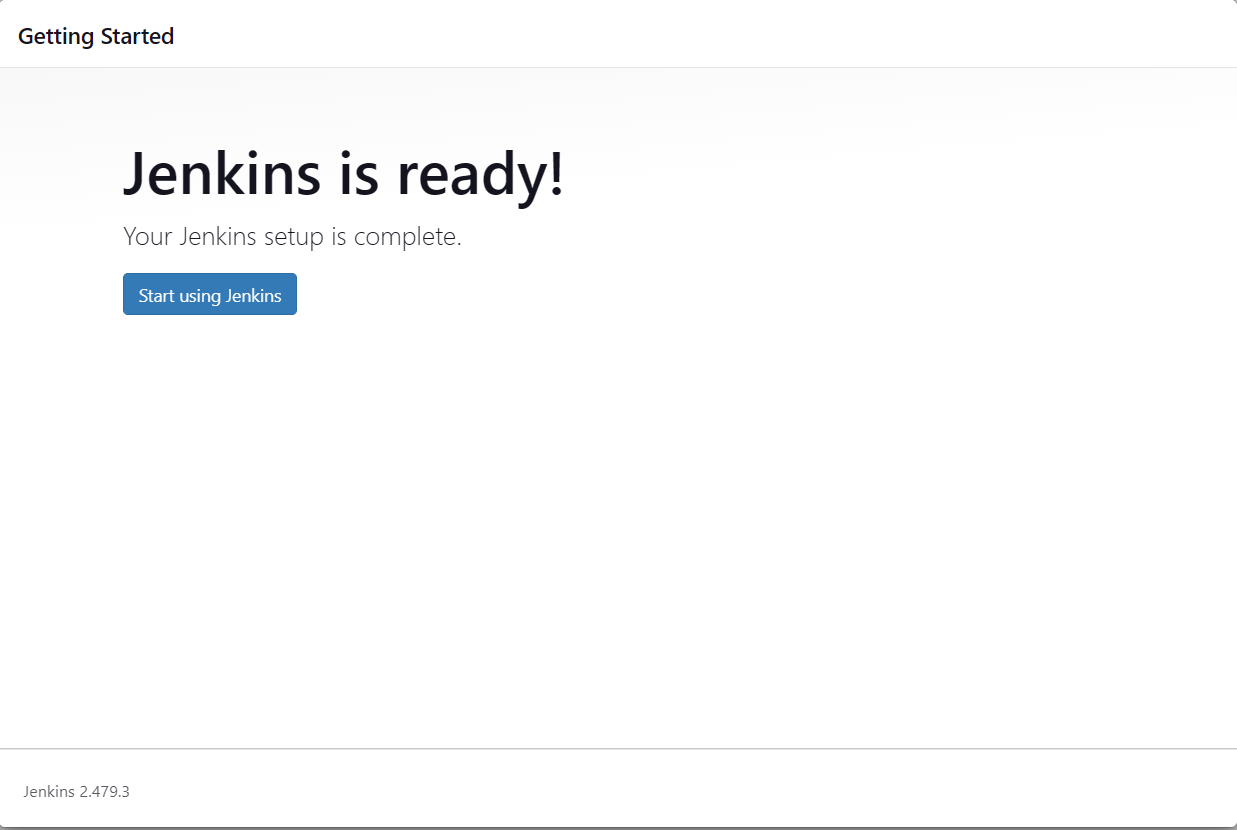
****

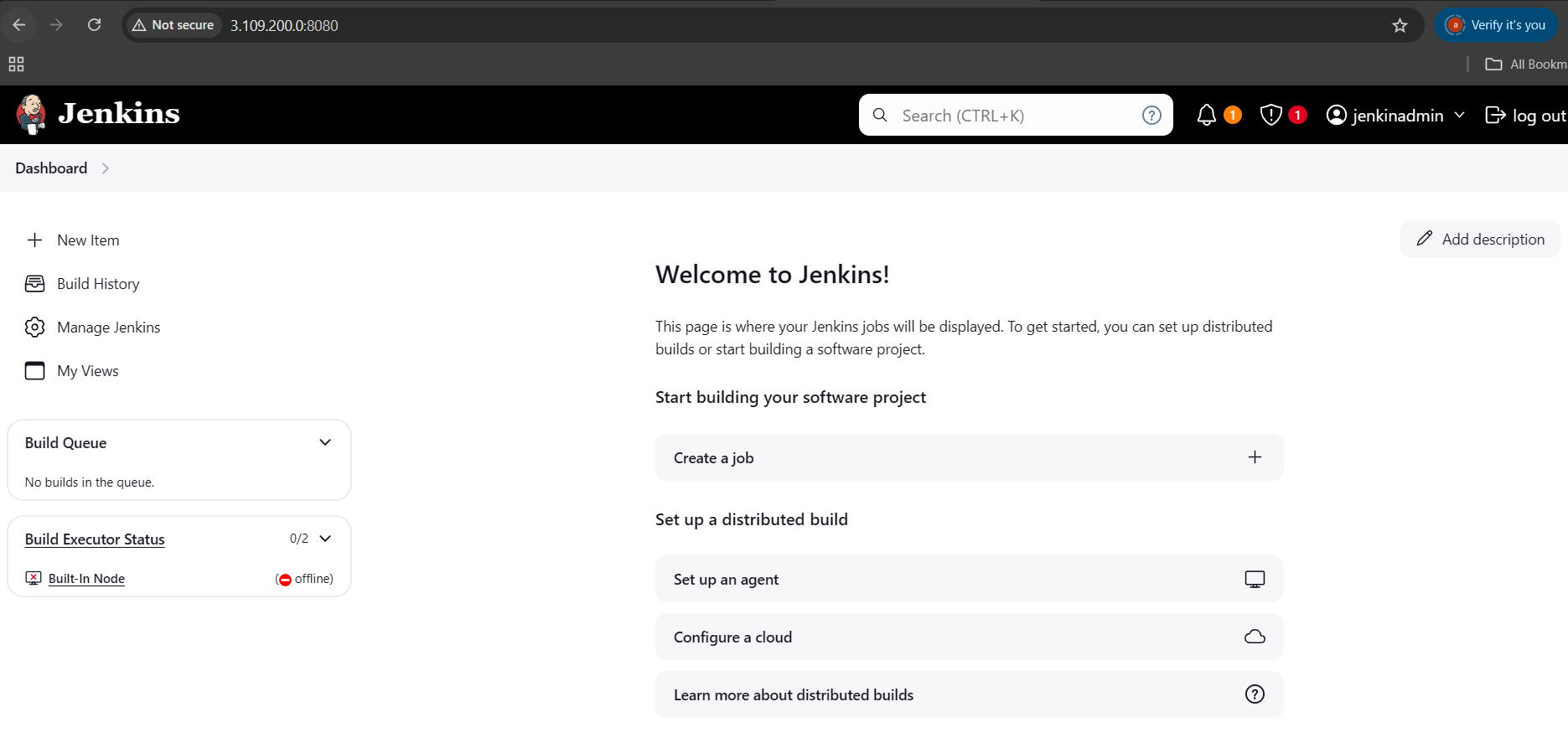






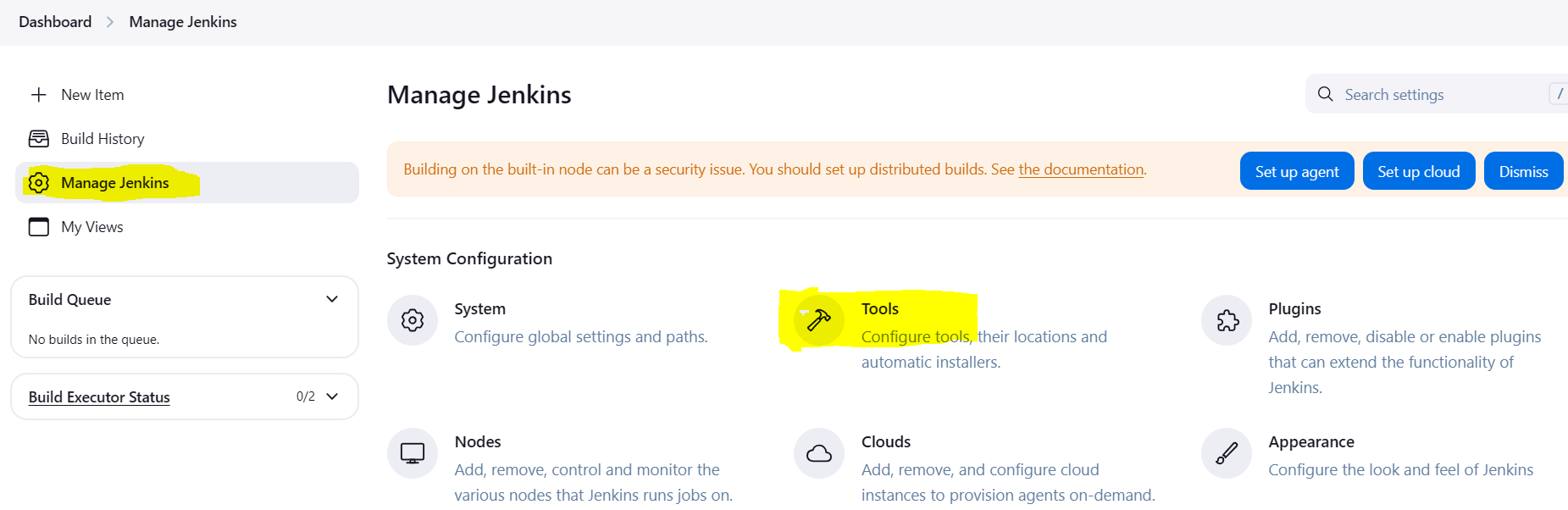


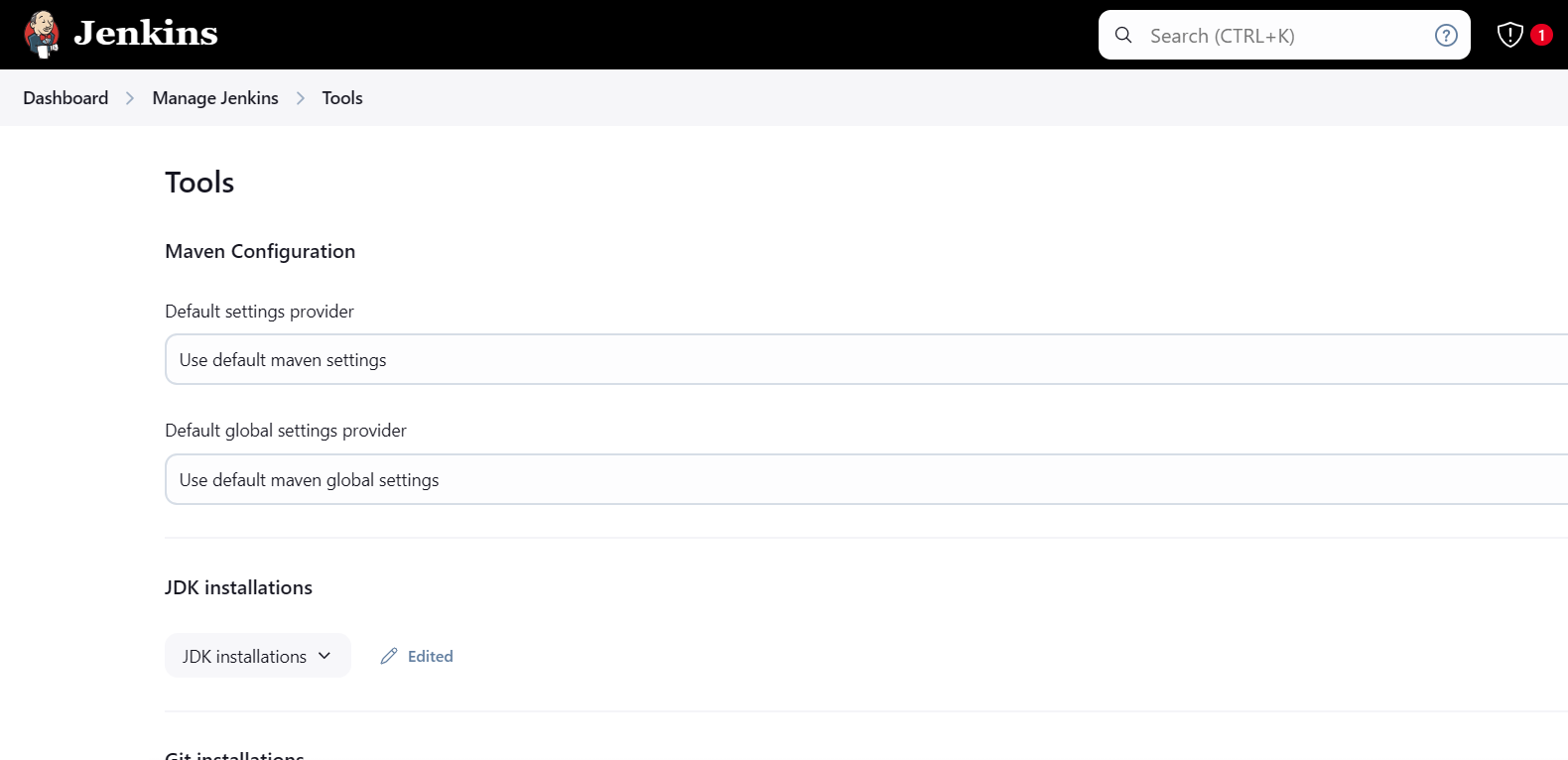




Once JENKINS get started, we need to configure GIT, MAVEN and JAVA JDK path in Jenkins.

Click on Manage Jenkins 🡪 Tools





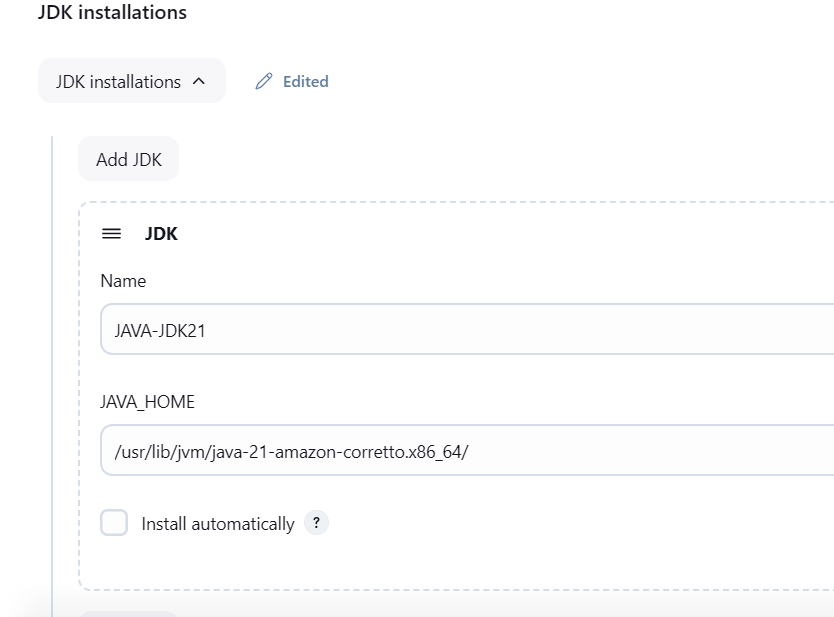
Go down and check for JDK Installations.

Take path from server where we installed JAVA.

Which java

Readlink -f /usr/bin/java

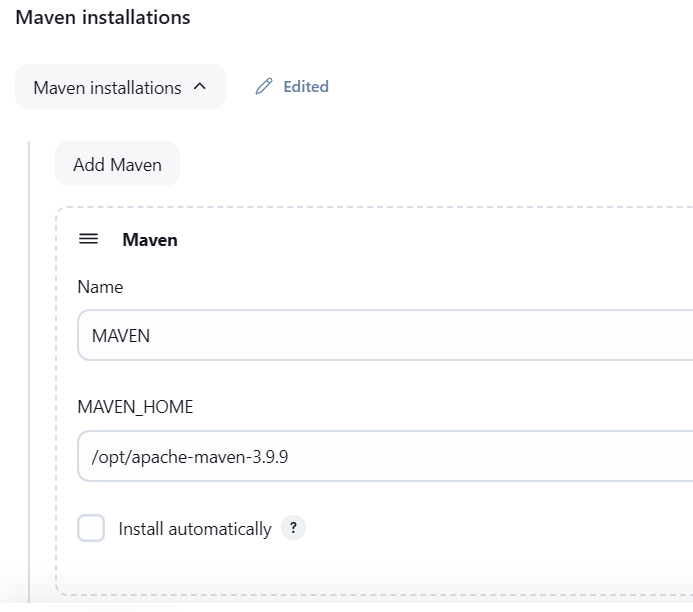
/usr/lib/jvm/java-21-amazon-corretto.x86\_64/



1. Check for Git and take path from server 🡪 to find path use this command 🡪 which git



1. MAVEN path setup



And click on SAVE button to save the changes….