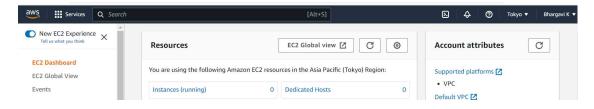
Name: Bhargavi Akash Kamble

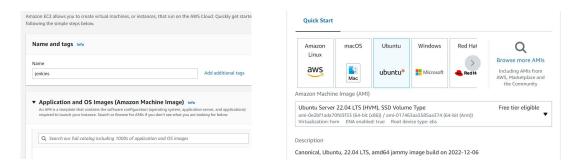
Student ID: 202051048

POD LAB 2

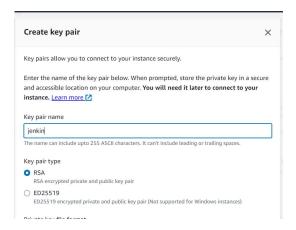
1. Create a free-tier Amazon AWS account.



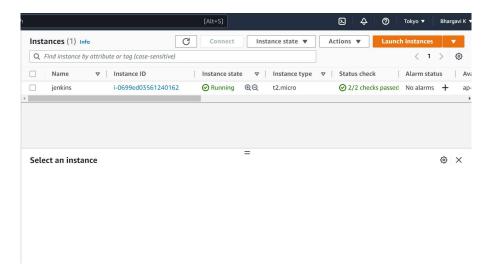
- 2. Go to EC2 services and create an EC2 instance as demonstrated in the video.
- i. Click on launch instance to launch an EC2 instance.
- ii. Name your instance and select the operating system you want. Here, I've chose ubuntu.



iii. Create a new key pair to securely connect to your instance. Name it as you wish, rest of the configurations are kept constant. We can launch our instance now.

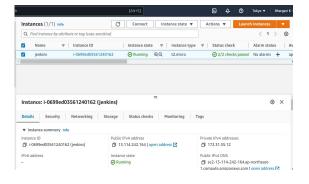


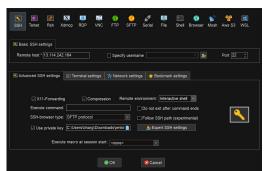
iv. Our instance is running successfully

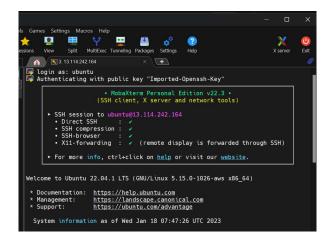


3. Setup MobaXterm to access the EC2 instance from your computer:

Copy the public ip address and add to your pc. Add the private key and click on okay to start your session.





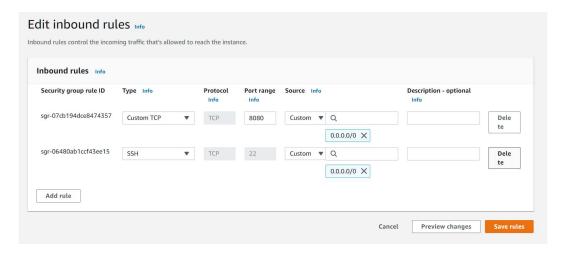


4. Run following commands to install jenkins:

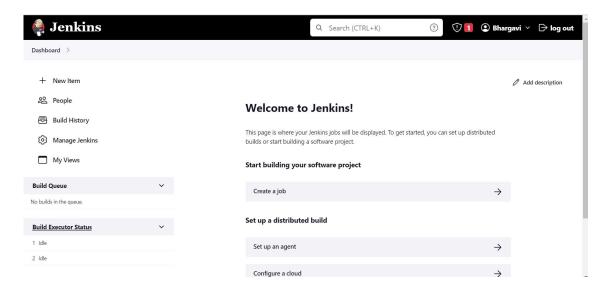
```
1 #l/bin/bash
2 sudo apt update
3 sudo apt install openjdk-11-jdk -y
4 sudo apt install maven -y
5 curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee \
6 /usr/share/keyrings/jenkins-keyring asc > /dev/null
7 echo deb [signed-by=/usr/share/keyrings/jenkins-keyring asc] \
8 https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
9 /etc/apt/sources.list.d/jenkins.list > /dev/null
10 sudo apt-get update
11 sudo apt-get install jenkins -y
```

Jenkins has been installed succesfully.

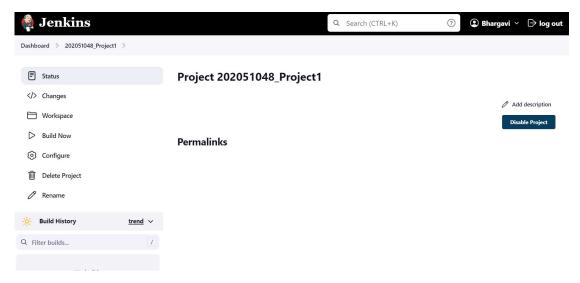
5. Add inbound rules in the security



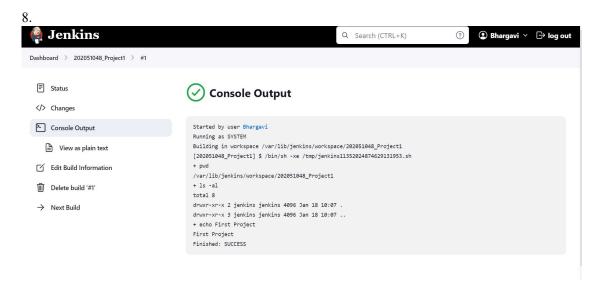
6. Create your Jenkins account by going to 8080 port:



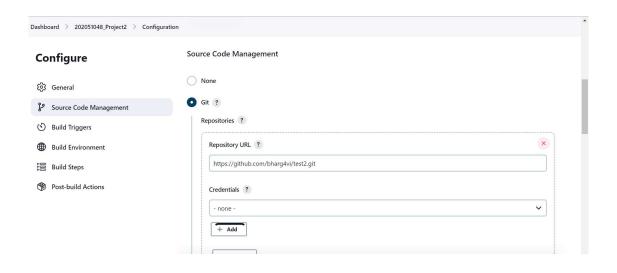
7. Click on new item to create new project add necessary information and shell code to execute it:

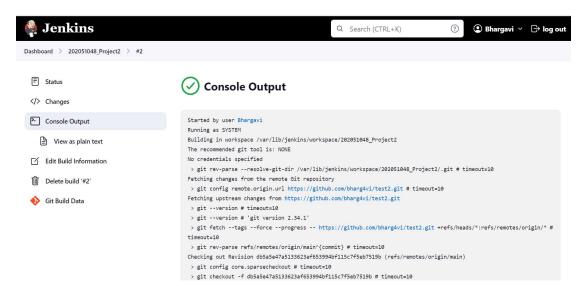


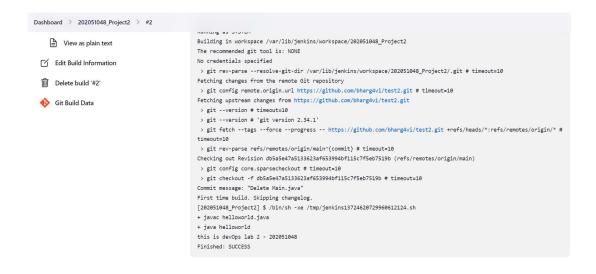
Click on build now to get the output:



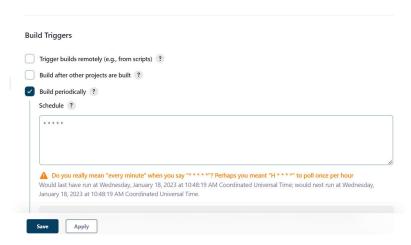
8. For the second project use we'll import code from a git repo and build it:







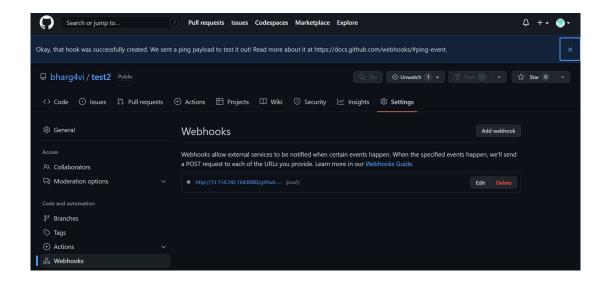
9. Now we want to automate this process of building so we'll build project 3 now: Here we'll add Build Periodically to every minute

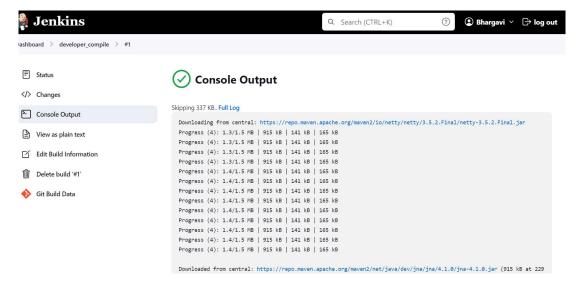


As we can see projects are built succesfully with 1 min difference.



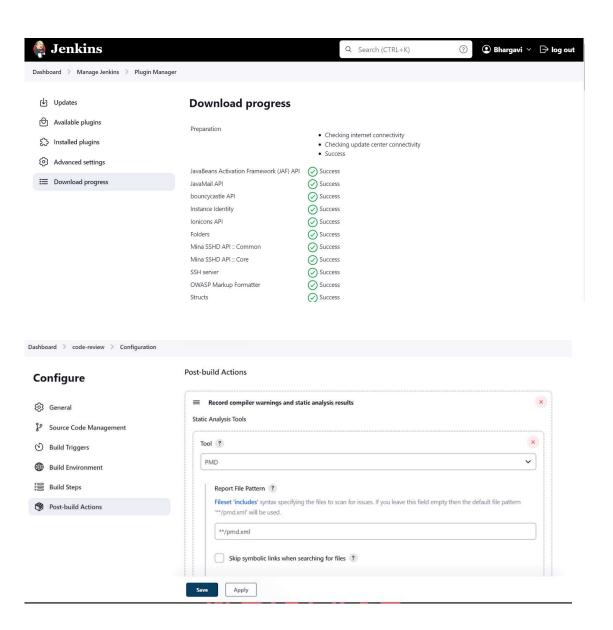
10. Now we'll create project4 with webhooks:

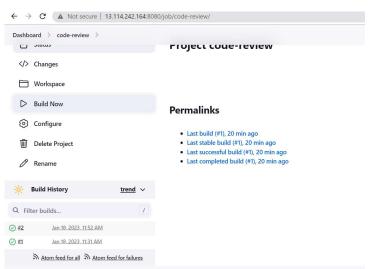




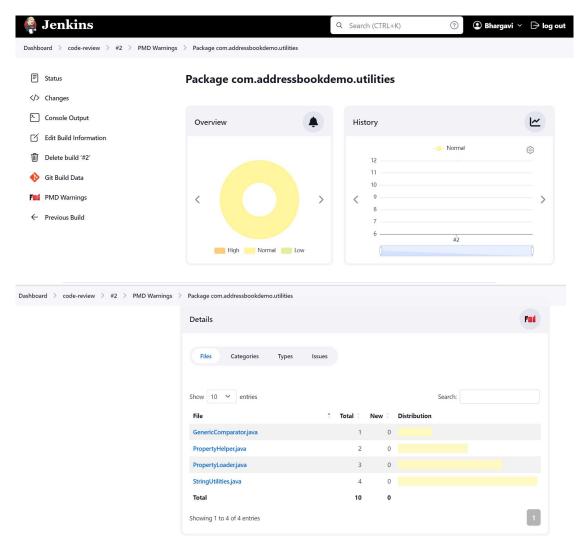
11. We'll create a code-review project now:

Download jenkin pluggings for warnings

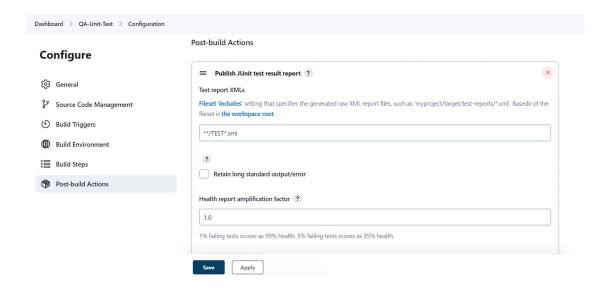


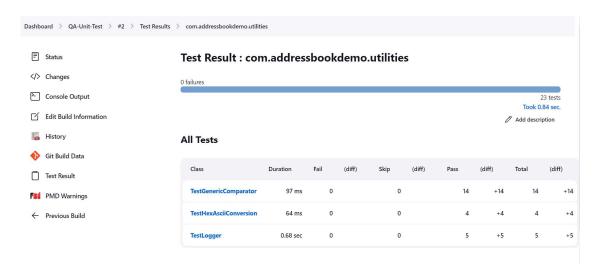


This is the output:



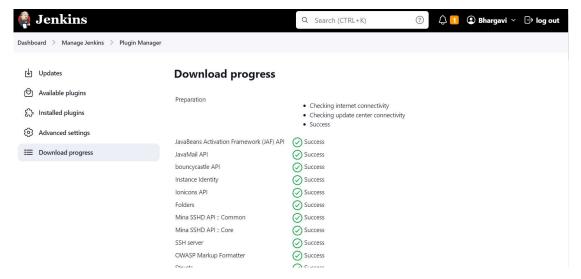
12. We'll create a project for QA-Unit-Testing



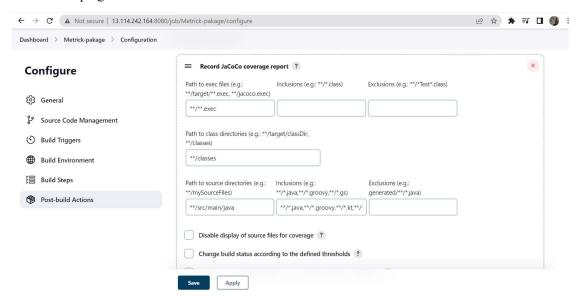


13. We'll next create a project as Metrick-pakage

Install Jacoco plugins



Add Jacoco plugins:





14. Now for the last part we'll build triggers in code review:

