Module 6: Jenkins Assignment - 1

Tasks To Be Performed:

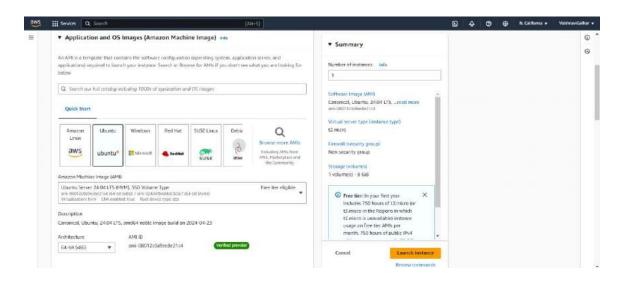
- 1. Trigger a pipeline using Git when push on develop branch
- 2. Pipeline should pull Git content to a folder

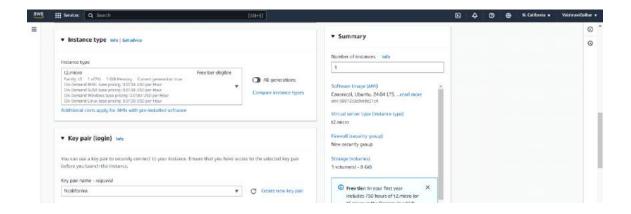
Answer:

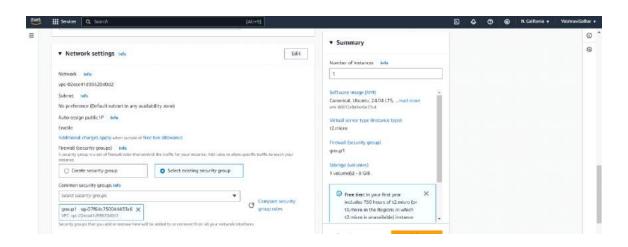
Step 1: Install to server Jenkins-Master and Jenkins-Slave

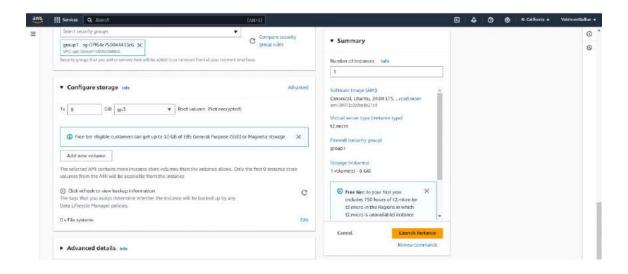
a) Jenkins-Master

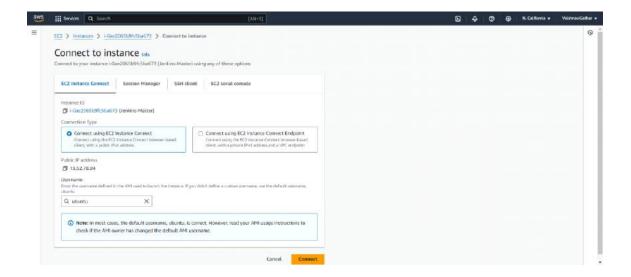






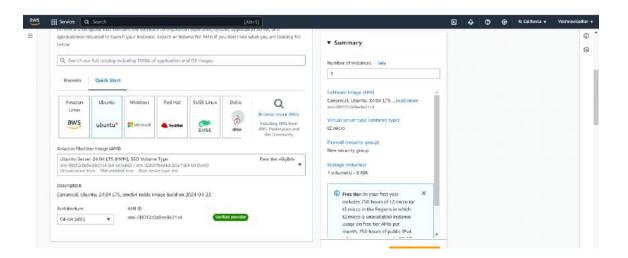


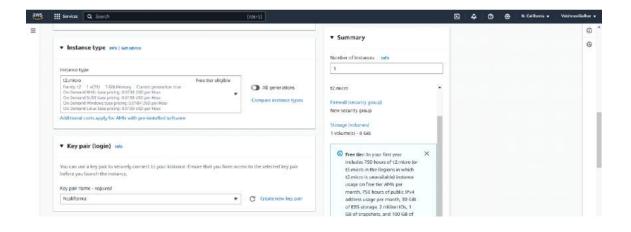


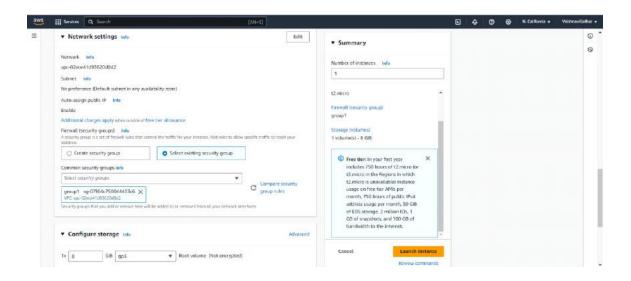


b)Jenkins-Slave



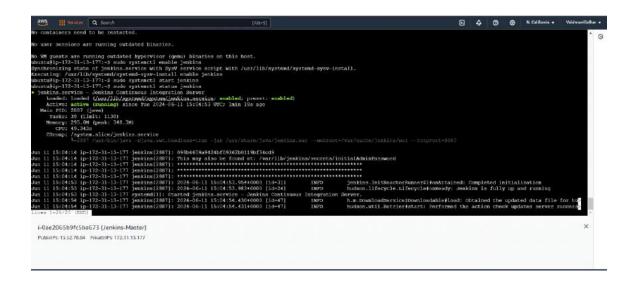


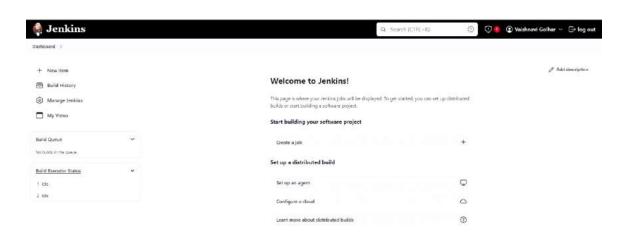






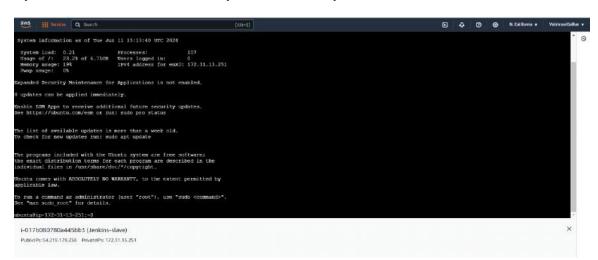
c) Install "Jenkins" Over the Master (Jenkins-Master) Machine



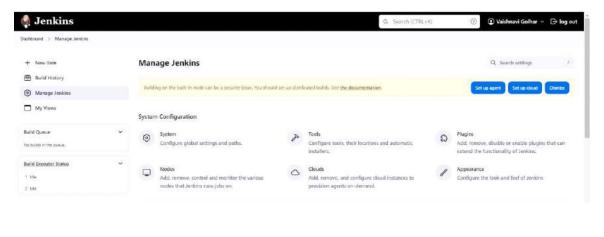


REST API Jonkins 2.452.1

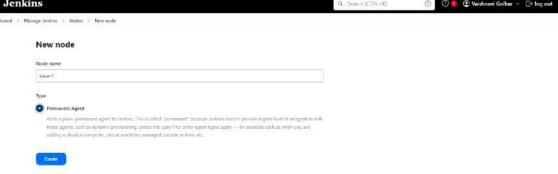
d) Install "Java" Over Slave (Jenkins-Slave) Machine

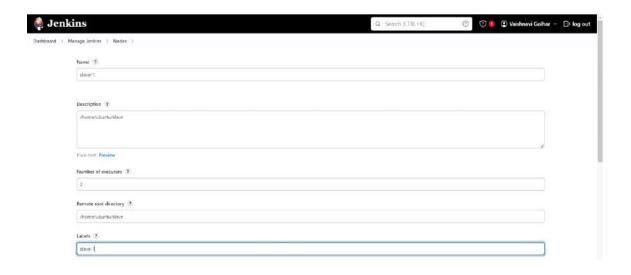


e) Add a Node in Jenkins-Master using "Private Key"

















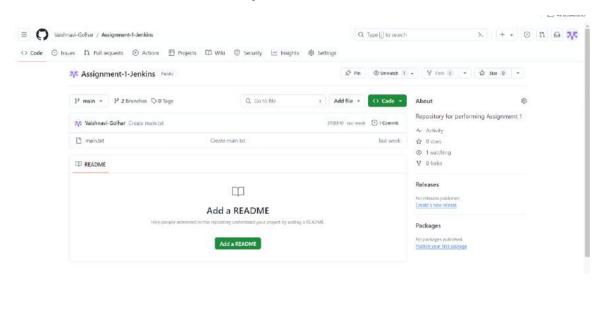


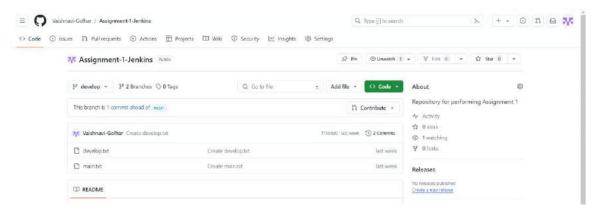
Problem (1) Solution: Trigger a pipeline using Git when pushing on the develop branch:

Solution:

a)First Create a Repository named "Assignment1" in "GitHub"

Create the "Main" & "Develop" Branches with .txt File



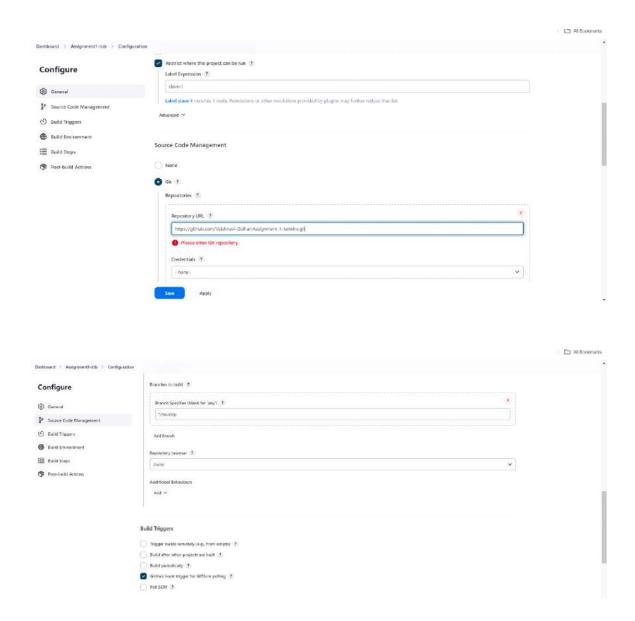


b) Create a Job in "Jenkins" to Trigger the Pipeline



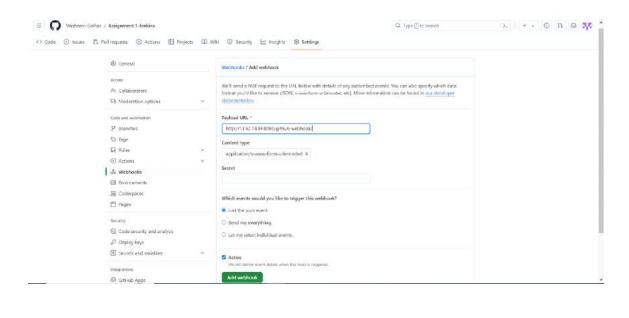


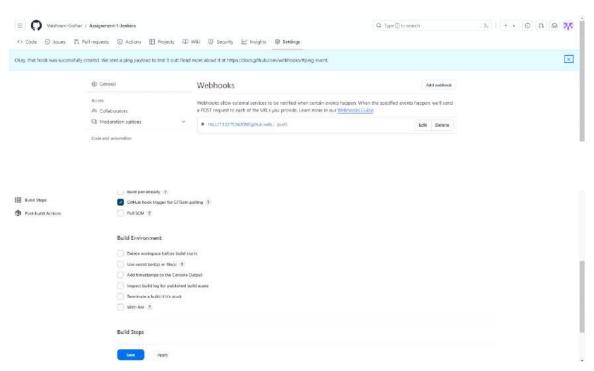




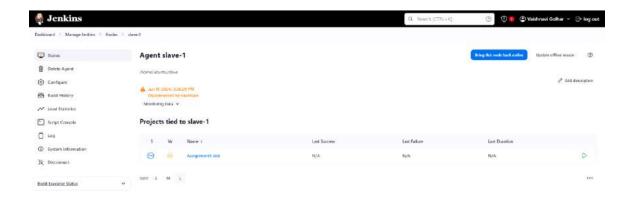
c) We have chosen this option because when we will do the change in the "develop" branch in the "Github repo", the changes will be automatically triggered by webhooks.

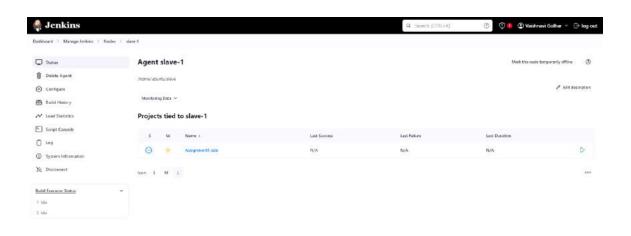
Go to the "Settings" section in the "Assignment1-Jenkins" Repository in "Git".

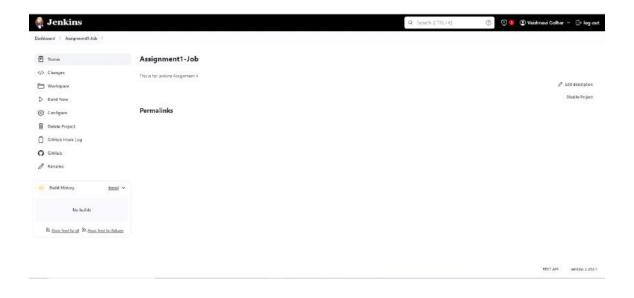




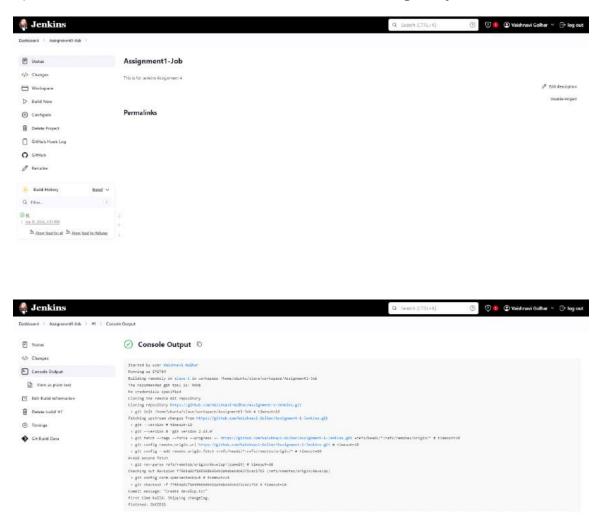
d) Job (Assignment 1-Job) has been successfully created.







e) Click on "Build Now". It will have started creating the job. Click on "#1".



f) Test the Jenkins Pipeline (Check whether It is triggering or not after changing in Git automatically)

