Jenkins Task-2

Task Description:

Create a simple script file and push it to repo. Create a project in Jenkins connected to your GitHub repository. When a commit is made to your repo, automatically build must get triggered from Jenkins and the output must be shared to me via email.

→ Step 1: Create an EC2 and install Jenkins

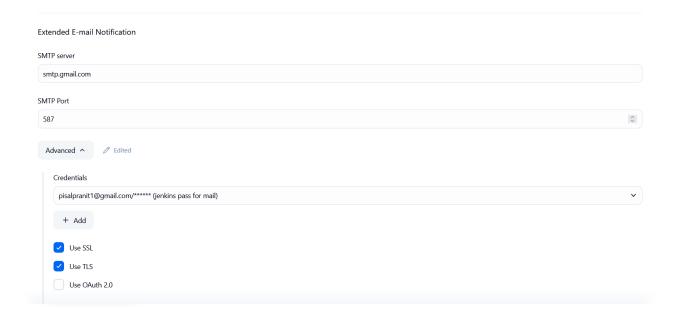
```
ubuntu@ip-172-31-43-173:~$ java -ver
openjdk version "17.0.16" 2025-07-15
OpenJDK Runtime Environment (build 17.0.16+8-Ubuntu-Oubuntu124.04.1)
OpenJDK 64-Bit Server VM (build 17.0.16+8-Ubuntu-Oubuntu124.04.1, mixed mode, sharing)
ubuntu@ip-172-31-43-173:~$ curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \
/usr/share/keyrings/jenkins-keyring.asc > /dev/null
ubuntu@ip-172-31-43-173:~$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-172-31-43-173:~$ sudo apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:5 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Hit:7 http://security.ubuntu.com/ubuntu noble-security InRelease
Get:8 https://pkg.jenkins.io/debian-stable binary/ Packages [29.7 kB]
Fetched 32.5 kB in 1s (41.3 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
ubuntu@ip-172-31-43-173:~$ sudo apt install jenkins -y
Reading package lists... Done
Building dependency tree... Do
```

→ Step 2: Allow port 8080 and initialize Jenkins

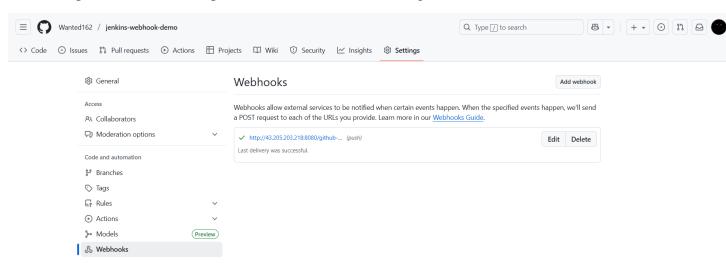
```
ubuntu@ip-172-31-43-173:~$ cat /var/lib/jenkins/secrets/initialAdminPassword cat: /var/lib/jenkins/secrets/initialAdminPassword: Permission denied ubuntu@ip-172-31-43-173:~$ cd cat /var/lib/jenkins/secrets/initialAdminPassword -bash: cd: too many arguments ubuntu@ip-172-31-43-173:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword c1023e100657496e9f3d892585055d6e ubuntu@ip-172-31-43-173:~$ sudo apt install git -y Reading package lists... Done Building dependency tree... Done Reading state information... Done git is already the newest version (1:2.43.0-1ubuntu7.3). git set to manually installed.

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded. ubuntu@ip-172-31-43-173:~$ git --version git version 2.43.0
```

→ Step 3: Add Extended mail notifications from the configure



→ Step 4: Create Github repo and add code to it. Then add github webhook.



→ Step 5: Create a Job in Jenkins and enable the GitHub Trigger

