

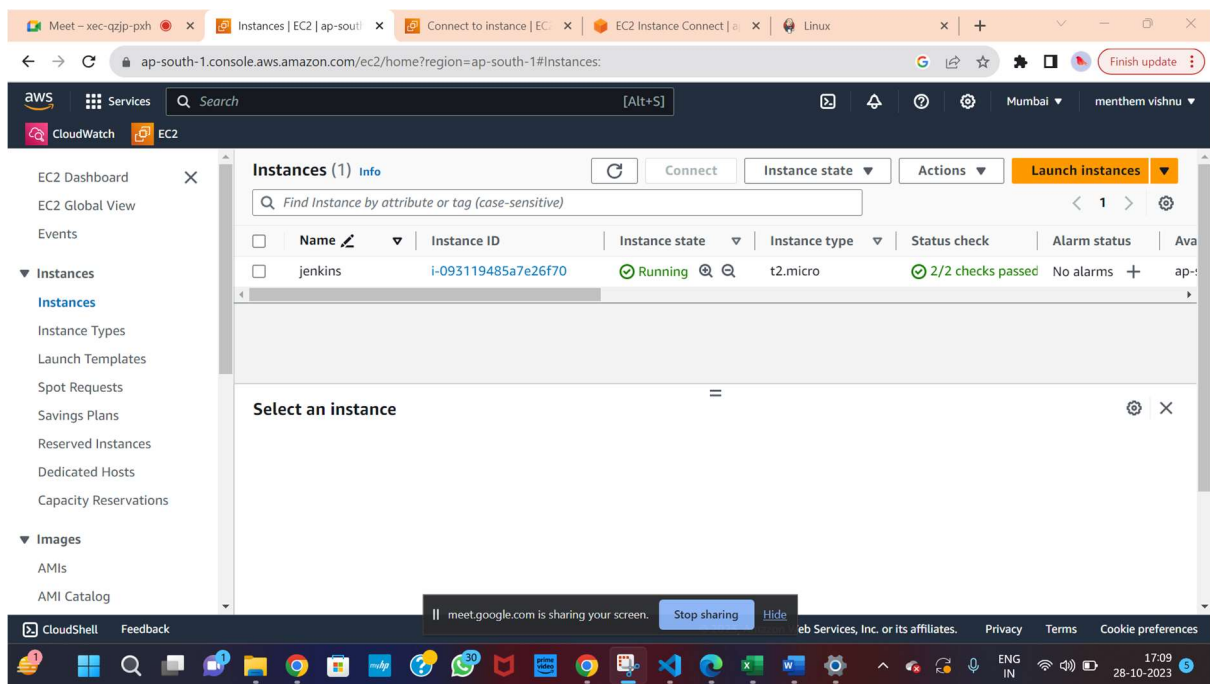
Jenkins – task

Task question –

Create a simple script file , with some data present it and push it to repo. Now 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.

Solution –

Launching an ec2 instance



Installing Jenkins in ec2

```
pot@ip-172-31-11-152:/home/ubuntu# jenkins --version
4.14.3
pot@ip-172-31-11-152:/home/ubuntu# systemctl status jenkins
jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-10-28 11:45:48 UTC; 2min 9s ago
     Main PID: 16630 (java)
       Tasks: 36 (limit: 1141)
      Memory: 307.5M
      CGroup: /system.slice/jenkins.service
              └─16630 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080
```

Setting up the Jenkins dashboard

Dashboard >

+ New Item Add description

People

Build History

Manage Jenkins

My Views

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job →

Set up a distributed build

Set up an agent →

Configure a cloud →

Build Queue

No builds in the queue.

Build Executor Status

1	Idle
2	Idle

Setting up a github repository

lakshmiaras12 / jenkins-task

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

jenkins-task Public

Pin Unwatch 1 Fork 0 Star 0

main 1 branch 0 tags

Go to file Add file <> Code About

lakshmiaras12 Initial commit c1d9809 now 1 commit

README.md Initial commit now

README.md

jenkins-task

No description, website, or topics provided

Readme Activity 0 stars 1 watching 0 forks

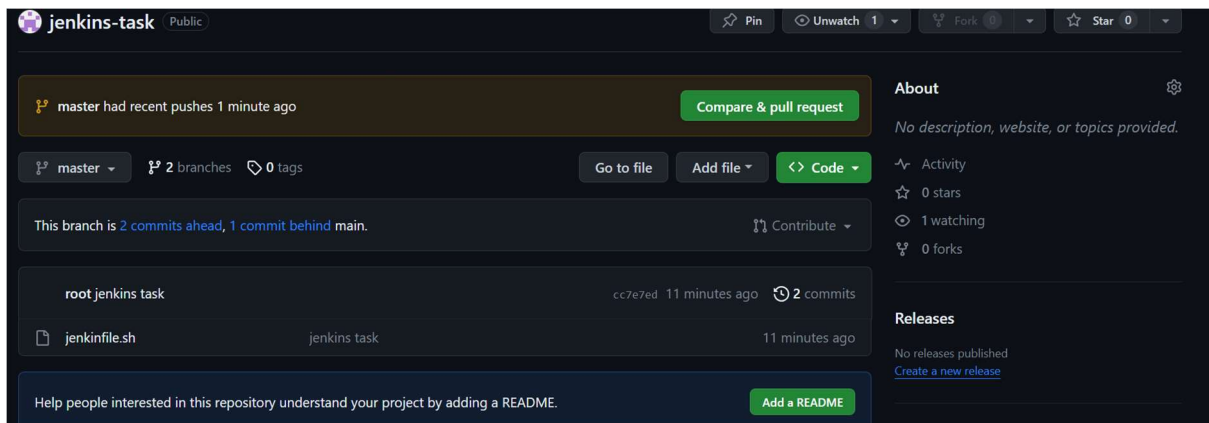
Releases

No releases published

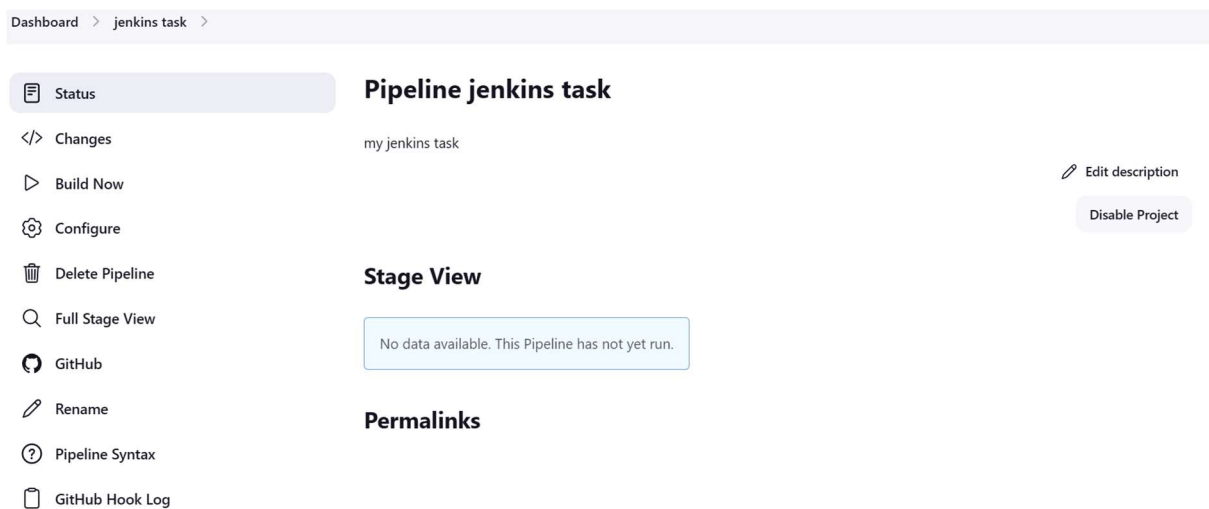
Create a new release

Creating a script file and pushing it to github

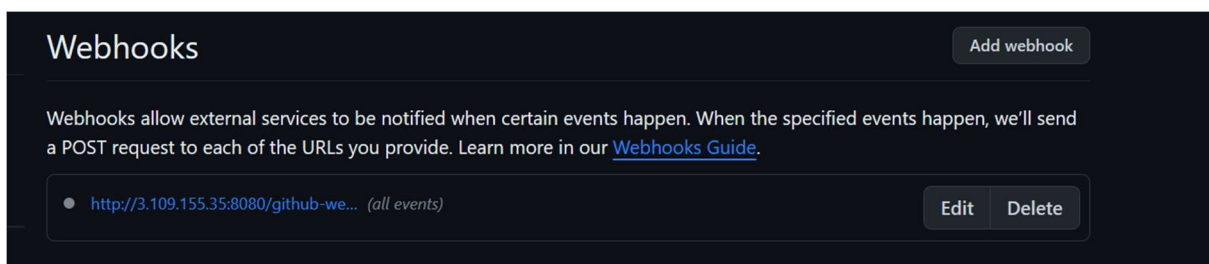
```
root@ip-172-31-11-152:/home/ubuntu# echo " welcome to jenkins " > jenkinsfile.sh
root@ip-172-31-11-152:/home/ubuntu# ls
jenkinsfile.sh
root@ip-172-31-11-152:/home/ubuntu#
```



Creating a Jenkins job



Setting up github hook trigger



Creating a jenkins file and pushing it to remote control

Jenkinsfile contains :

```
pipeline {
  agent any
  stages {
    stage('git clone') {
```

```

    steps {
        git branch: 'master',
            url: 'https://github.com/lakshmipras12/jenkins-task.git'
    }
}

stage ('build') {
    steps {
        sh 'cat jenkinsfile.sh'
    }
}

}
post {
    always{
        mail to: "menthemklpn61@gmail.com",
            subject: "jenkins output",
            body: "output of jenkins task"
        }
    }
}
}

```

The screenshot shows the GitHub interface for a repository named 'jenkins-task'. At the top, there's a header with the repository name, a 'Public' badge, and buttons for 'Pin' and 'Unwatch'. Below this, a notification bar states 'master had recent pushes 5 minutes ago' with a 'Compare & pull request' button. The main section shows the 'master' branch selected, with '2 branches' and '0 tags' available. A status bar indicates 'This branch is 8 commits ahead, 1 commit behind main.' and a 'Contribute' button. The file list shows two files: 'jenkinfile.sh' (uploaded yesterday) and 'jenkinsfile' (uploaded 5 minutes ago). Both files are associated with the 'jenkins task' commit.

The Jenkins job triggered automatically when the code is push to github repository with the help og github webhook

Build Executor Status



1 Idle

2

jenkins task



#5

(Declarative:
Post
Actions)



jenkins task



#5



Console Output

```
Started by GitHub push by lakshmipras12
Obtained jenkinsfile from git https://github.com/lakshmipras12/jenkins-task.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/jenkins task
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
```

The output of task is shared via email

jenkins output

Inbox x



address not configured yet

to me ▼

output of jenkins task

↩ Reply

➡ Forward

