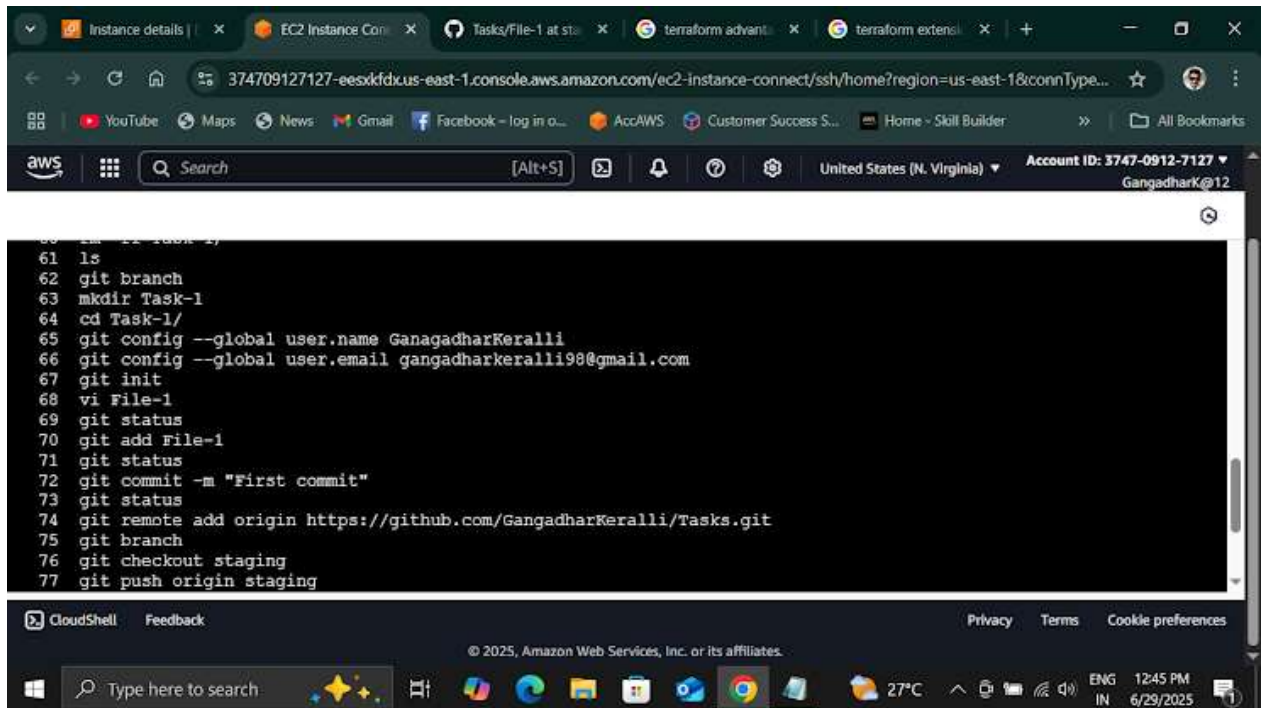


Task 1

1. Task 1

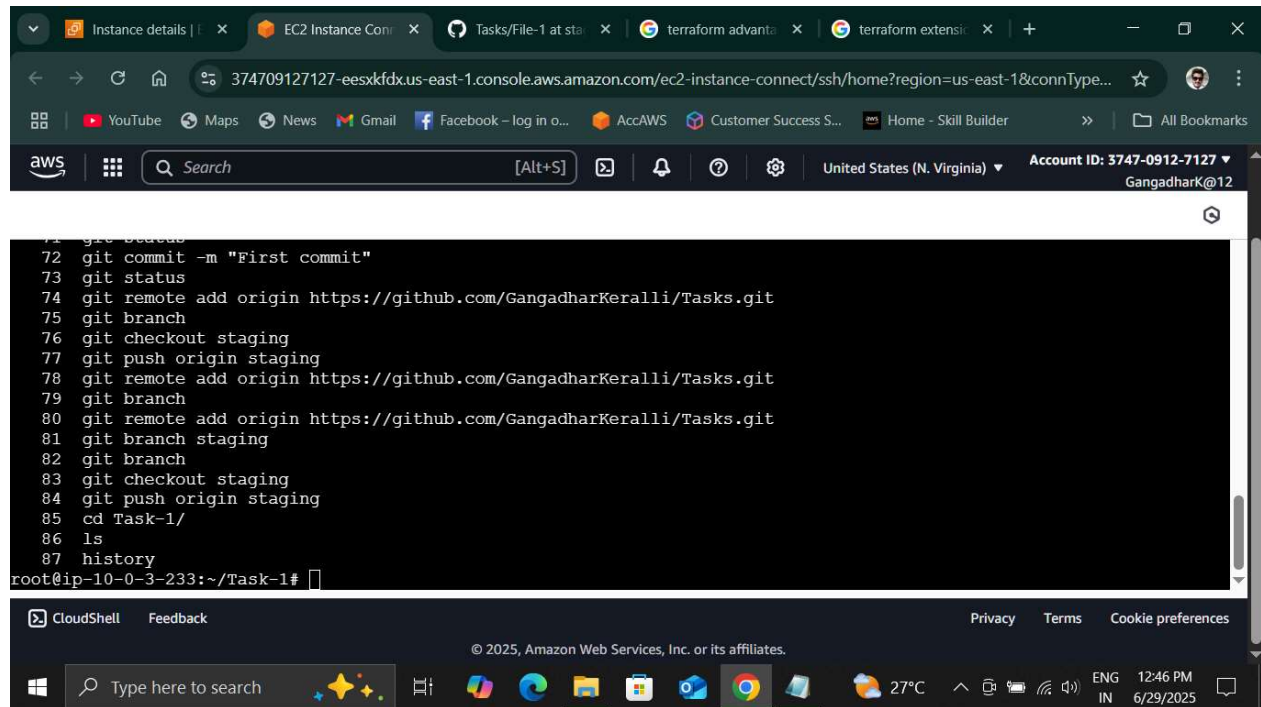
Create a Staging branch in GitHub, push code from local repository to remote, and share commands.



The screenshot shows a web browser window with the AWS Management Console open to the EC2 Instance Connect console. A terminal window is open, displaying a series of Git commands being executed. The commands are as follows:

```
61 ls
62 git branch
63 mkdir Task-1
64 cd Task-1/
65 git config --global user.name GanagadharKeralli
66 git config --global user.email gangadharkeralli98@gmail.com
67 git init
68 vi File-1
69 git status
70 git add File-1
71 git status
72 git commit -m "First commit"
73 git status
74 git remote add origin https://github.com/GangadharKeralli/Tasks.git
75 git branch
76 git checkout staging
77 git push origin staging
```

The terminal window is titled "CloudShell" and includes a "Feedback" link. The bottom of the window shows the Windows taskbar with various application icons and the system clock indicating 12:45 PM on 6/29/2025.

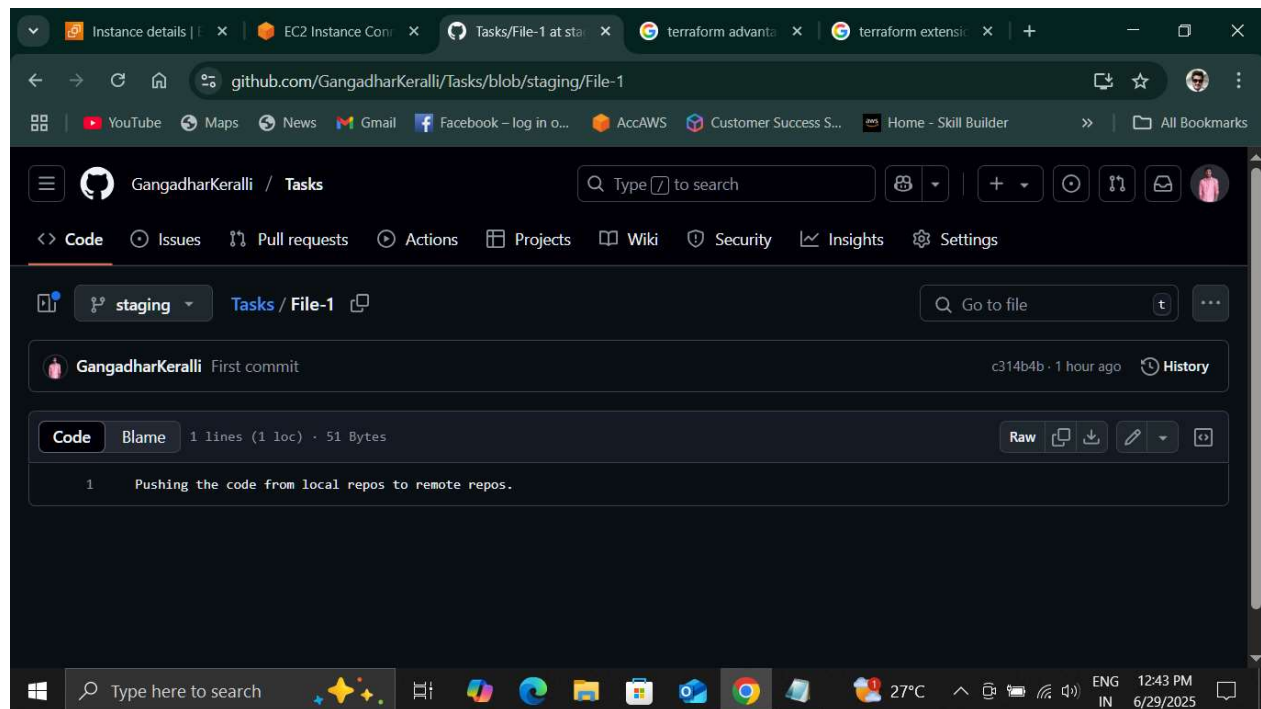


```
71 git commit -m "First commit"
72 git status
73 git remote add origin https://github.com/GangadharKeralli/Tasks.git
74 git branch
75 git checkout staging
76 git push origin staging
77 git remote add origin https://github.com/GangadharKeralli/Tasks.git
78 git branch
79 git branch
80 git checkout staging
81 git push origin staging
82 cd Task-1/
83 ls
84 history
root@ip-10-0-3-233:~/Task-1#
```

CloudShell Feedback Privacy Terms Cookie preferences

© 2025, Amazon Web Services, Inc. or its affiliates.

Type here to search 27°C ENG IN 12:46 PM 6/29/2025



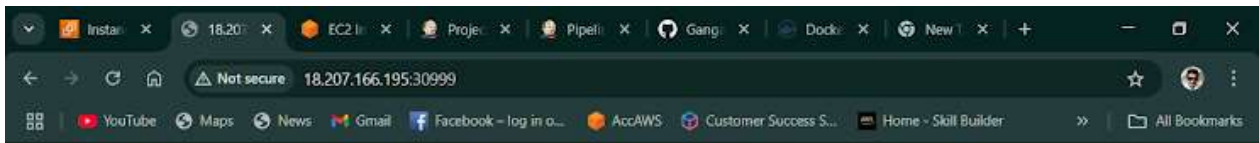
This content is neither created nor endorsed by Google.

Google Forms

Task 2

1. Task 2

Create a sample Jenkins CI/CD pipeline and share output logs and pipeline script.



Dashboard > Project-2 >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

GitHub

Stages

Rename

Pipeline Syntax

Builds

Project-2

DevOps Project-2

Stage View

Average stage times:
(full run time: ~58s)

	Cloning Code	Maven Unit Test	Maven Build	Maven Integration Test	Build	Pushing the image to Dockerhub	Deploy to Kubernetes
#3 Jul 22 11:53 No Changes	307ms	11s	12s	10s	1s	4s	3s
#2 Jul 22 11:34 No Changes	3s	20s	13s	10s	18s	4s	

Type here to search

21°C

12:12 PM 7/22/2025

Untitled Title

```

pipeline {
  agent any
  stages {
    stage ("Cloning Code") {
      steps {
        echo "Cloning the Code"
        git branch: 'main', url: 'https://github.com/GangadharKeralli/DevopsProject1.git'
      }
    }
    stage("Maven Unit Test") {
      steps{
        dir ("/var/lib/jenkins/workspace/Project-2"){
          sh 'mvn test'
        }
      }
    }
    stage('Maven Build') {
      steps{
        dir ("/var/lib/jenkins/workspace/Project-2"){
          sh 'mvn clean install'
        }
      }
    }
    stage("Maven Integration Test") {
      steps{
        dir ("/var/lib/jenkins/workspace/Project-2"){
          sh 'mvn verify'
        }
      }
    }
    stage ("Build"){
      steps {
        echo "Build the image"
        sh "docker build -t ci-cd-pipeline ."
      }
    }
    stage ("Pushing the image to Dockerhub"){
      steps {
        echo "pushing image to docker hub"

withCredentials([usernamePassword(credentialsId:"DockerHub",passwordVariable:"DockerHubPass"
,usernameVariable:"DockerHubUser"))) {
        sh "docker tag ci-cd-pipeline ${env.DockerHubUser}/ci-cd-pipeline:latest"
        sh "docker login -u ${env.DockerHubUser} -p ${env.DockerHubPass}"
        sh "docker push ${env.DockerHubUser}/ci-cd-pipeline:latest"
      }
    }
  }
}

```

```
}
stage('Deploy to Kubernetes'){
  steps{
    script{
      dir('/var/lib/jenkins/workspace/Project-2') {
        withKubeConfig(caCertificate: "", clusterName: "", contextName: "", credentialsId:
'kubernetes', namespace: "", restrictKubeConfigAccess: false, serverUrl: ") {
          sh 'kubectl delete --all pods'
          sh 'kubectl apply -f deployment.yaml'
          sh 'kubectl apply -f service.yaml'
        }
      }
    }
  }
}
```

This content is neither created nor endorsed by Google.

Google Forms