

Jenkins Pipeline

Added feature:

- Created a Jenkins Pipeline the change the visibility of Github private repository to a public repository in a specific time.

Steps

1- Use the created Token as credentials.

```
pipeline {  
    agent any  
    environment {  
        GITHUB_TOKEN = credentials('GITHUB_TOKEN') // Created token  
    }  
}
```

2- Stage1: Set the waiting time then convert into public

```
stages {  
    stage('Wait before changing visibility') {  
        steps {  
            script {  
                def minutesToWait = 5 // Set the number of minutes to wait before changing visibility  
                def secondsToWait = minutesToWait * 60  
                echo "Waiting for ${minutesToWait} minutes before changing repository visibility..."  
                sleep secondsToWait  
            }  
        }  
    }  
}
```

3- Stage2: Change the repository visibility

```
stage('Change Repository Visibility') {  
    steps {  
        script {  
            def repository = 'MohamedEssam788/Bank_System11_7' // Your repository details  
  
            def response = bat(script: ""  
            curl -X PATCH ^  
            -H "Authorization: token %GITHUB_TOKEN%" ^  
            -H "Accept: application/vnd.github.v3+json" ^  
            https://api.github.com/repos/${repository} ^  
            -d "{\"private\": false}"  
            "", returnStdout: true).trim()  
  
            echo "GitHub API response: ${response}"  
  
            if (response.contains("private": false)) {  
                echo "Repository visibility changed successfully."  
            } else {  
                error "Failed to change repository visibility. Response: ${response}"  
            }  
        }  
    }  
}
```

4-Post Build (Check if Failed)..

```
post {  
    failure {  
        echo "Repository visibility change failed."  
    }  
}  
}
```

-Pipeline Overview

Dashboard > Convert_Into_Public > #4 > Pipeline Overview

✓ < Build #4

Rebuild Console Configure

Pipeline

Start

Wait before cha...

Change Reposit...

End

Details

Manually run by Mohamed Essam

Started 7 days 17 hr ago

Queued 2 ms

Took 2 min 2 sec

-Pipeline Console

✓ < Build #4

Rebuild Overview Configure

Success 7 days 17 hr ago in 2 min 2 sec

Wait before changing visibility

Change Repository Visibility

Stage 'Change Repository Visibility'

Started 7 days 17 hr ago

Queued 0 ms

Took 1.2 sec

Success

View as plain text

curl -X PATCH ^ -H "Authorization: token %GITHUB_TOKEN%" ^ -H "Accept: application/vnd.github..." 1.1 sec

Print Message 21 ms

Repository visibility changed successfully. 10 ms

Repository visibility changed successfully.