

## Tasks To Be Performed:

1. Create a pipeline in Jenkins
  2. Once push is made to “develop” a branch in Git, trigger job “test”. This will copy Git files to test node
  3. If test job is successful, then prod job should be triggered
  4. Prod jobs should copy files to prod node
- 

### 1. Create a pipeline in Jenkins



Jenkins / test

Status      **test**

</> Changes      this is my test job

Workspace

▷ Build Now

⚙ Configure      ⚙ prod

Delete Project

GitHub Hook Log

GitHub

Rename

Credentials

Downstream Projects

Permalinks

---

Builds      ...

2. Once push is made to “develop” a branch in Git, trigger job “test”. This will copy Git files to test node

Issues Pull requests Actions Projects Wiki Security Insights Settings

git-practice-1 / new-file.txt in develop

Cancel changes Commit changes...

Edit Preview Spaces 2 No wrap

```
1 this is new file in develop branch
```

 Jenkins / test

Status Changes this is my test job

Workspace Build Now

Configure prod

Delete Project

GitHub Hook Log

GitHub

Rename

Credentials

Builds

Pending

#1

Finished waiting

```
buntu@ip-172-31-4-175:~/jenkins/workspace$ cd test
buntu@ip-172-31-4-175:~/jenkins/workspace/test$ ls
code.txt Output.txt develop-file.txt file.txt file1.txt new-file.txt slave.txt slave2.txt test-new.txt test.txt test1.txt
buntu@ip-172-31-4-175:~/jenkins/workspace/test$ 
```

i-06d8113ae2f431204 (test)

PublicIPs: 3.110.155.122 PrivateIPs: 172.31.4.175

3. If test job is successful, then prod job should be triggered



Jenkins / prod

Status

</> Changes

Workspace

Build Now

Configure

Delete Project

GitHub Hook Log

GitHub

Rename

Credentials

prod

this is my prod job

## Upstream Projects

test

## Permalinks

- Last build (#1), 0.68 sec ago

Builds

...



Filter

Today

#1 5:25 PM



The screenshot shows the Jenkins interface for the 'prod' job. On the left, a sidebar lists various project management options: Status (highlighted), Changes, Workspace, Build Now, Configure, Delete Project, GitHub Hook Log, GitHub, Rename, and Credentials. The main area displays the status of the 'prod' job, which is green with a checkmark and labeled 'prod'. Below this, a message says 'this is my prod job'. A section titled 'Upstream Projects' shows a green checkmark next to 'test'. Another section titled 'Permalinks' lists recent builds. The 'Builds' section on the right shows two recent builds: #8 at 5:47 PM and #7 at 5:47 PM, both marked with green checkmarks.

## Status

prod

this is my prod job

## Upstream Projects

test

## Permalinks

- Last build (#6), 39 sec ago
- Last stable build (#6), 39 sec ago
- Last successful build (#6), 39 sec ago
- Last failed build (#2), 15 min ago
- Last unsuccessful build (#2), 15 min ago
- Last completed build (#6), 39 sec ago

## Builds

Build	Time
#8	5:47 PM
#7	5:47 PM

#### 4. Prod jobs should copy files to prod node

```
ubuntu@ip-172-31-1-1:~/jenkins/workspace/push-to-prod$ cd ..
ubuntu@ip-172-31-1-1:~/jenkins/workspace$ ls
prod prod@tmp push-to-prod push-to-prod@tmp
ubuntu@ip-172-31-1-1:~/jenkins/workspace/prod$ cd prod
ubuntu@ip-172-31-1-1:~/jenkins/workspace/prod$ ls
Code.txt Output.txt develop-file.txt file.txt file1.txt new-file.txt slave.txt slave2.txt test-new.txt test.txt test1.txt
ubuntu@ip-172-31-1-1:~/jenkins/workspace/prod$
```