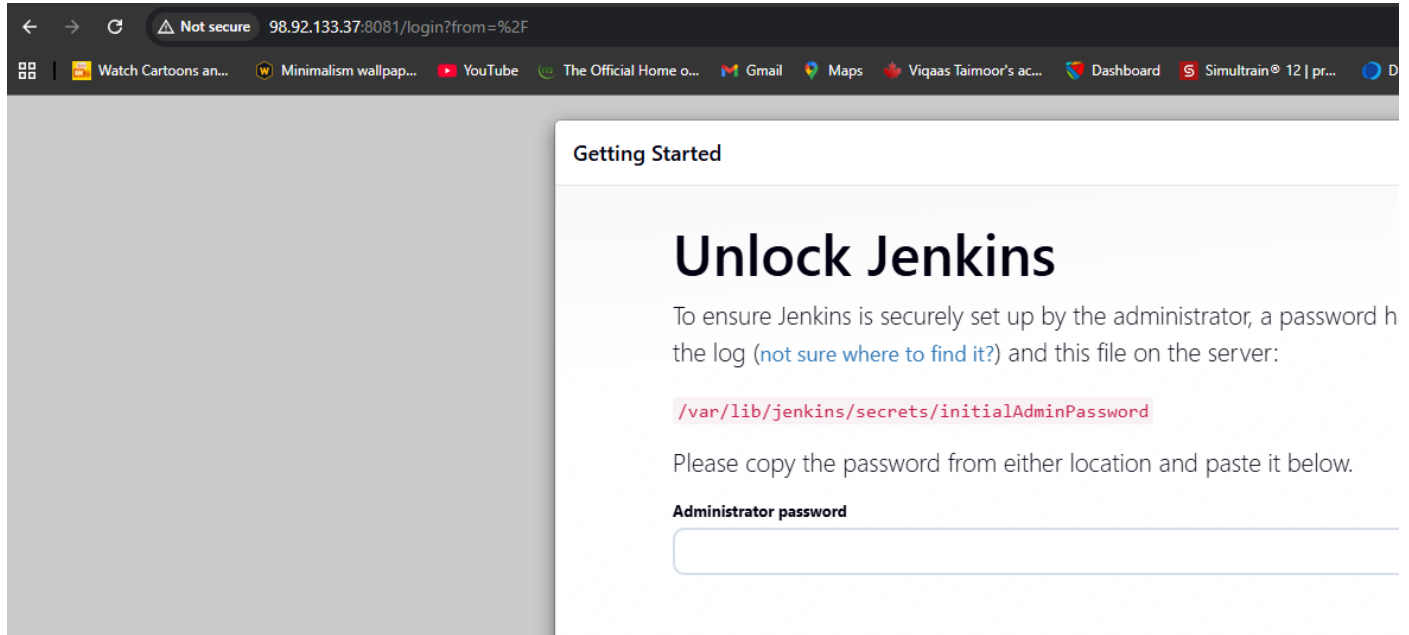


# Jenkins Tasks - 01

- Install Jenkins and run Jenkins on port number 8081.



- Secure Jenkins server.
- The Initial Admin Password file was removed, and a new password was created so no unauthorized user can login.

```
[root@ip-172-31-72-218 secrets]# ls
hudson.model.User.DIRNAMES
jenkins.model.Jenkins.crumbSalt
jenkins.security.csp.ReportingContext.key
master.key
org.jenkinsci.main.modules.instance_identity.InstanceIdentity.KEY
```

Password




Password:

Confirm Password:

Session Termination

# Jenkins Tasks - 01

- Create users called DevOps, Testing in Jenkins with Limited access.

	Overall	Credentials			Agent							Job						Run		View		SCM	Metrics													
		Administer	Read	Create	Delete	ManageDomains	Update	View	Build	Configure	Connect	Create	Delete	Disconnect	Provision	Build	Cancel	Configure	Create	Delete	Discover	Move	Read	Workspace		Delete	Replay	Update	Configure	Create	Delete	Read	Tag	HealthCheck	ThreadDump	View
User/group																																				
 Anonymous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
 Authenticated Users	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
 Vikaas Taimoor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 	
 DevelopmentOperations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 	
 Testing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 	

- Configure labels and restrict the jobs to execute based on labels only.

Number of executors ?

2

Labels ?

Master

Usage ?

Only build jobs with label expressions matching this node

- Create Three sample jobs using the given URL. **Source Code:**  
[https://github.com/betawins/Techie\\_horizon\\_Login\\_app.git](https://github.com/betawins/Techie_horizon_Login_app.git)

# Jenkins Tasks - 01

The image shows three sequential screenshots of the Jenkins web interface, specifically the 'Configure' page for three different jobs: Job-01, Job-2, and Job-03. Each screenshot displays the 'Repository URL' field, which is populated with the GitHub repository address: `https://github.com/betawins/Techie_horizon_Login_app.git`. In the Job-03 configuration, the 'Git' option is selected under the 'Repository' section, and the 'Repositories' sub-section is visible, showing the same repository URL.

- Create one Jenkins job using GitHub Private repository.

This screenshot displays the GitHub 'Fine-grained personal access tokens' management page. At the top right is a 'Generate new token' button. Below the heading, a message states: 'These are fine-grained, repository-scoped tokens suitable for personal [API](#) use and for using Git over HTTPS.' A table lists the existing tokens, with one token named 'jenkins-access' shown. This token has a status of 'Never used' and an expiration date of 'Fri, Apr 10 2026'. A 'Delete' button is located to the right of the token name. A prominent green notification box with a bell icon contains the warning: 'Make sure to copy your personal access token now as you will not be able to see this again.' Below this warning, the token value is displayed in a text box: `github_pat_11B3Q6BJY0etU3GNvLgL6b_1gDmijF7SpAzbxD6ATSb0zXteaGZ16ksM1c90L8EWWARL0DF35Zip20I`, followed by a copy icon.

# Jenkins Tasks - 01

## Global credentials (unrestricted)

Credentials that should be available irrespective of domain specification to requirements



VikaasTaimoor/\*\*\*\*\* (GitHub private repo access)

github-private-repo - GitHub private repo access

### Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/VikaasTaimoor/Testing.git

Credentials ?

VikaasTaimoor/\*\*\*\*\* (GitHub private repo access)



+ Add

Advanced ▾