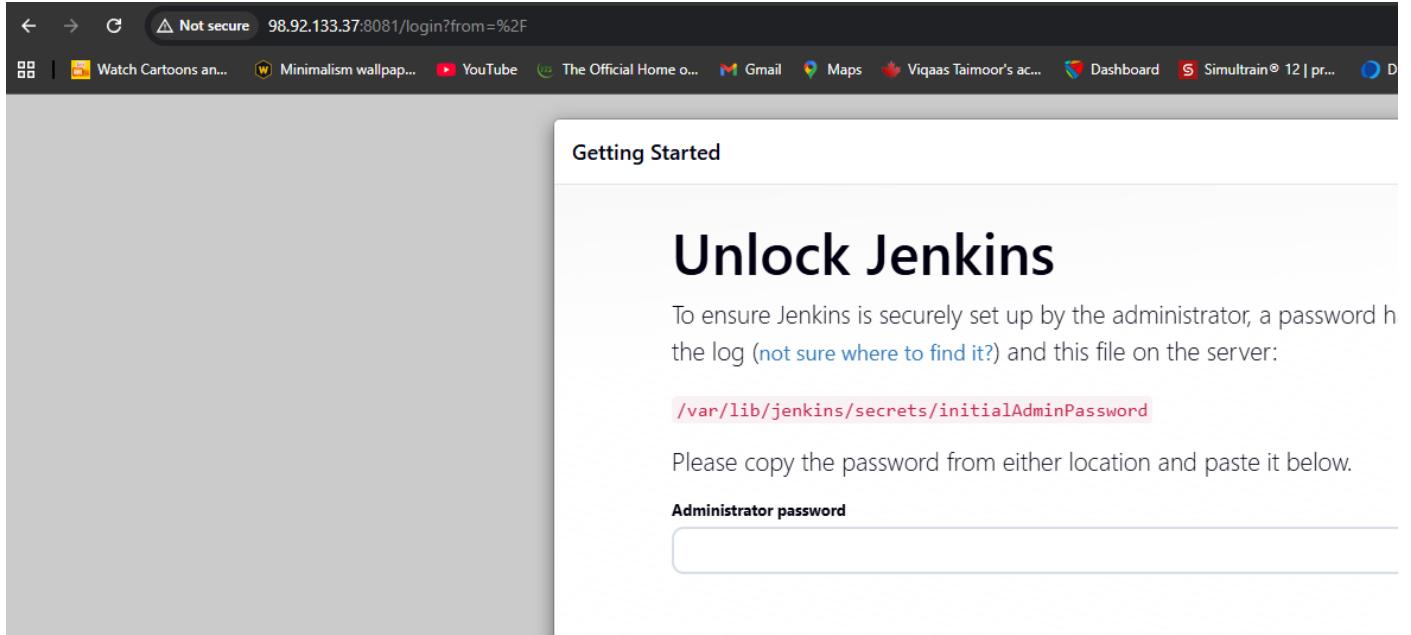


# Jenkins Tasks - 01

- 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
```

The screenshot shows a Jenkins configuration page. It includes fields for "Password" and "Confirm Password", both represented by redacted input boxes. At the bottom, there is a "Session Termination" button.

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	
User/group	Administrator	Read Create Delete	ManageDomains Update View	Connect Create Delete	Disconnect Build Provision	Cancel Discover Configure	Delete Move	Read Delete	ThreadDump HealthCheck
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"/>
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"/>
Viaas 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"/>
DevelopmentOperations	<input type="checkbox"/>	<input checked="" 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"/>
Testing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 Jenkins job configurations side-by-side:

- Job-01**: Repository URL: [https://github.com/betawins/Techie\\_horizon\\_Login\\_app.git](https://github.com/betawins/Techie_horizon_Login_app.git)
- Job-2**: Repository URL: [https://github.com/betawins/Techie\\_horizon\\_Login\\_app.git](https://github.com/betawins/Techie_horizon_Login_app.git)
- Job-03**: Repository URL: [https://github.com/betawins/Techie\\_horizon\\_Login\\_app.git](https://github.com/betawins/Techie_horizon_Login_app.git)

- Create one Jenkins job using GitHub Private repository.

Fine-grained personal access tokens

[Generate new token](#)

These are fine-grained, repository-scoped tokens suitable for personal [API](#) use and for using Git over HTTPS.



Never used • Expires on Fri, Apr 10 2026

[Delete](#)



Make sure to copy your personal access token now as you will not be able to see this again.

github\_pat\_11B3Q6BJY0etU3GNvLgL6b\_1gDmijF7SpAzbxD6ATSB0zXteaGZ16ksM1c90L8EVWARLODF35Zip20I



# Jenkins Tasks - 01

**Global credentials (unrestricted)**

Credentials that should be available irrespective of domain specification to requiremer

 VqaaasTaimoor/\*\*\*\*\* (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

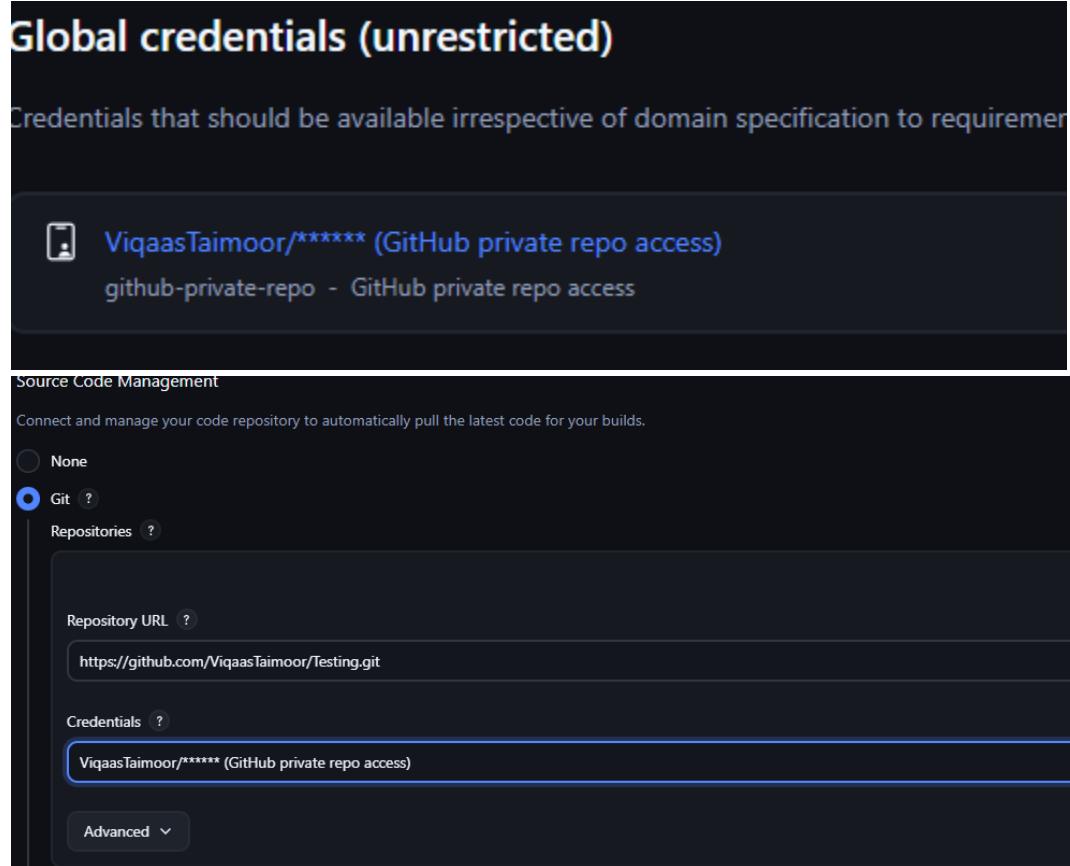
Git [?](#)

Repositories [?](#)

Repository URL [?](#)

Credentials [?](#)  
 [▼](#) [+ Add](#)

[Advanced](#) [▼](#)

The screenshot shows the Jenkins global credentials and source code management configuration. In the top section, under 'Global credentials (unrestricted)', a credential named 'VqaaasTaimoor/\*\*\*\*\* (GitHub private repo access)' is listed, which corresponds to the 'github-private-repo' entry in the 'Credentials' dropdown. Below this, the 'Source Code Management' section is shown with 'Git' selected. It includes fields for 'Repository URL' (set to 'https://github.com/VqaaasTaimoor/Testing.git') and 'Credentials' (set to the previously mentioned GitHub private repo access). There are also 'Advanced' and 'Add' buttons.