

# Jenkins tasks-1

1) Install jenkins and run jenkins on port number 8081.

```
Complete!
[root@ip-172-31-90-188 ~]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; disabled; vendor preset: disabled)
   Active: inactive (dead)

Nov 27 09:59:34 ip-172-31-90-188.ec2.internal systemd[1]: [/usr/lib/systemd/system/jenkins.service:16] Unknown lvalue 'StartLimitBurst' in ... 'Unit'
Nov 27 09:59:34 ip-172-31-90-188.ec2.internal systemd[1]: [/usr/lib/systemd/system/jenkins.service:17] Unknown lvalue 'StartLimitIntervalSe... 'Unit'
Nov 27 10:00:02 ip-172-31-90-188.ec2.internal systemd[1]: [/usr/lib/systemd/system/jenkins.service:16] Unknown lvalue 'StartLimitBurst' in ... 'Unit'
Nov 27 10:00:02 ip-172-31-90-188.ec2.internal systemd[1]: [/usr/lib/systemd/system/jenkins.service:17] Unknown lvalue 'StartLimitIntervalSe... 'Unit'
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-90-188 ~]# systemctl start jenkins
[root@ip-172-31-90-188 ~]# systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2024-11-27 10:00:33 UTC; 24s ago
   Main PID: 4203 (java)
   CGroup: /system.slice/jenkins.service
           └─4203 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8080

Nov 27 10:00:26 ip-172-31-90-188.ec2.internal jenkins[4203]: 1f85b1765c484489b856b1b506ad75cd
Nov 27 10:00:26 ip-172-31-90-188.ec2.internal jenkins[4203]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Nov 27 10:00:26 ip-172-31-90-188.ec2.internal jenkins[4203]: *****
Nov 27 10:00:26 ip-172-31-90-188.ec2.internal jenkins[4203]: *****
Nov 27 10:00:33 ip-172-31-90-188.ec2.internal jenkins[4203]: 2024-11-27 10:00:33.747+0000 [id=31] INFO jenkins.InitReactorRunn...zation
Nov 27 10:00:33 ip-172-31-90-188.ec2.internal jenkins[4203]: 2024-11-27 10:00:33.781+0000 [id=24] INFO hudson.lifecycle.Lifecy...unning
Nov 27 10:00:33 ip-172-31-90-188.ec2.internal systemd[1]: Started Jenkins Continuous Integration Server.
Nov 27 10:00:34 ip-172-31-90-188.ec2.internal jenkins[4203]: 2024-11-27 10:00:34.018+0000 [id=47] INFO h.m. DownloadService$Dow...taller
Nov 27 10:00:34 ip-172-31-90-188.ec2.internal jenkins[4203]: 2024-11-27 10:00:34.018+0000 [id=47] INFO hudson.util.Retrier#sta...mpt #1
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-90-188 ~]#
```

⚠ Not secure 52.201.233.242:8080/login?from=%2F

## Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

Continue

```
# Port to listen on for HTTP requests. Set to -1 to disable.
# To be able to listen on privileged ports (port numbers less than 1024),
# add the CAP_NET_BIND_SERVICE capability to the AmbientCapabilities
# directive below.
Environment="JENKINS_PORT=8081"

# IP address to listen on for HTTPS requests. Default is disabled.
#Environment="JENKINS_HTTPS_LISTEN_ADDRESS="

# Port to listen on for HTTPS requests. Default is disabled.
# To be able to listen on privileged ports (port numbers less than 1024),
# add the CAP_NET_BIND_SERVICE capability to the AmbientCapabilities
# directive below.
#Environment="JENKINS_HTTPS_PORT=443"

# Path to the keystore in JKS format (as created by the JDK's keytool).
# Default is disabled.
#Environment="JENKINS_HTTPS_KEYSTORE=/path/to/keystore.jks"
```

Not secure 52.201.233.242:8081/login?from=%2F

### Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
/var/lib/jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

Continue

## 2) Secure Jenkins server

```
[root@ip-172-31-90-188 secrets]# rm initialAdminPassword
rm: remove regular file 'initialAdminPassword'? y
[root@ip-172-31-90-188 secrets]# ls
jenkins.model.Jenkins.crumbSalt  master.key  org.jenkinsci.main.modules.instance_identity.InstanceIdentity.KEY
[root@ip-172-31-90-188 secrets]#
```

52.201.233.242:8081/login?from=%2F



## Sign in to Jenkins

Username

Password

☐ Keep me signed in

Sign in

3) Create users called Devops, Testing in Jenkins with Limited access.

## Create User

Username

devops

Password

• • • • •

Confirm password

• • • • •

Full name

devops|

## Create User


User/group	Overall	Credentials			Agent							Job					Run		View		SCM	Metrics												
	Administer	Read	Create	Delete	Managed Domains	Update	View	Build	Configure	Connect	Create	Delete	Disconnect	Provision	Build	Cancel	Configure	Create	Delete	Discover	Read	Workspace	Delete	Replay	Update	Configure	Create	Delete	Read	Tag	Health check	Thread dump	View	
 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
 admin	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 devops	<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 checked="" 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 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 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 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"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Add user...


Add group...


?

← → ↻ ⚠ Not secure 52.201.233.242:8081 ☆ Incognito ⋮

 **Jenkins** 🔍 Search (CTRL+K) ? 👤 devops ↗ log out

Dashboard >

 Build History

 My Views

Build Queue ▾

No builds in the queue.

Build Executor Status 0/2 ▾

### Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job +

Set up a distributed build

Set up an agent 🖥️

Learn more about distributed builds ?

#### 4) Configure labels and restrict the jobs to execute based on label only.

# of executors

2

Labels

master

Usage ?

Only build jobs with label expressions matching this node ▾

Computer Retention Check Interval ?

60

#### 5) Create Three sample jobs using the below URL.

[https://github.com/betawins/Techie\\_horizon\\_Login\\_app.git](https://github.com/betawins/Techie_horizon_Login_app.git)

All

+

S	W	Name ↓	Last Success	Last Failure	Last Duration	
		frist_job	10 sec <a href="#">#12</a>	2 min 1 sec <a href="#">#9</a>	0.16 sec	
		frist_job1	9 min 22 sec <a href="#">#4</a>	N/A	0.17 sec	
		rakesh_job3	9 min 24 sec <a href="#">#4</a>	N/A	0.12 sec	

Icon: S M L

...

```
workspace
[root@ip-172-31-90-188 jenkins]# cd workspace
[root@ip-172-31-90-188 workspace]# ls
frist_job  frist_job1  rakesh_job3
[root@ip-172-31-90-188 workspace]# cd rakesh_job3
[root@ip-172-31-90-188 rakesh_job3]# ll
total 20
drwxr-xr-x 2 jenkins jenkins  91 Nov 27 11:27 ansible
-rw-r--r-- 1 jenkins jenkins 508 Nov 27 11:27 azure-pipelines.yml
-rw-r--r-- 1 jenkins jenkins 137 Nov 27 11:27 Dockerfile
-rw-r--r-- 1 jenkins jenkins 5830 Nov 27 11:27 pom.xml
-rw-r--r-- 1 jenkins jenkins 978 Nov 27 11:27 README.md
drwxr-xr-x 4 jenkins jenkins  30 Nov 27 11:27 src
[root@ip-172-31-90-188 rakesh_job3]# ls
ansible  azure-pipelines.yml  Dockerfile  pom.xml  README.md  src
[root@ip-172-31-90-188 rakesh_job3]# |
```

6) Create one jenkins job using git hub Private repository.

 Add description

All +


S	W	Name ↓	Last Success	Last Failure	Last Duration	
✓	☁️	frist_job	42 min #13	46 min #9	30 sec	▶
✓	☀️	frist_job1	53 min #4	N/A	0.17 sec	▶
✓	☀️	private-repo	51 sec #2	N/A	0.38 sec	▶
✓	☀️	rakesh_job3	53 min #4	N/A	0.12 sec	▶

0/2 ▼

Iron	S	M	I
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...

✔ private-repo

 Add description

## Permalinks

- Last build (#2), 10 sec ago
- Last stable build (#2), 10 sec ago
- Last successful build (#2), 10 sec ago
- Last completed build (#2), 10 sec ago



```

[root@ip-172-31-90-188 rakesh_job3]# cd ..
[root@ip-172-31-90-188 workspace]# ls
frist_job  frist_job1  private-repo  private-repo@tmp  rakesh_job3
[root@ip-172-31-90-188 workspace]# cd private-repo
[root@ip-172-31-90-188 private-repo]# ls
AWSArchit.drawio  IMG_2570.JPG  README.md
[root@ip-172-31-90-188 private-repo]# ll
total 6344
-rw-r--r-- 1 jenkins jenkins 24942 Nov 27 12:20 AWSArchit.drawio
-rw-r--r-- 1 jenkins jenkins 6462329 Nov 27 12:20 IMG_2570.JPG
-rw-r--r-- 1 jenkins jenkins 16 Nov 27 12:20 README.md
[root@ip-172-31-90-188 private-repo]# |

```

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[Actions](#)
[Projects](#)
[Security](#)
[Insights](#)
[Settings](#)


**rakesh-jenkins**
Private

[Unwatch](#) 1
 [Fork](#) 0
 [Star](#) 0

[main](#)
1 Branch
0 Tags

[Add file](#)

[Code](#)

**About**

No description, website, or topics provided.





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[Activity](#)

0 stars

1 watching

0 forks

 <b>Rakeshpagidimarri</b> Add files via upload			1b6f045 · 8 minutes ago	2 Commits
 AWSArchit.drawio	Add files via upload		8 minutes ago	
 IMG_2570.JPG	Add files via upload		8 minutes ago	
 README.md	Initial commit		9 minutes ago	

[README](#)

**rakesh-jenkins**

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