JENKINGS Task 1

1) INSTALL JENKINS AND RUN JENKINS ON PORT NUMBER 8081.

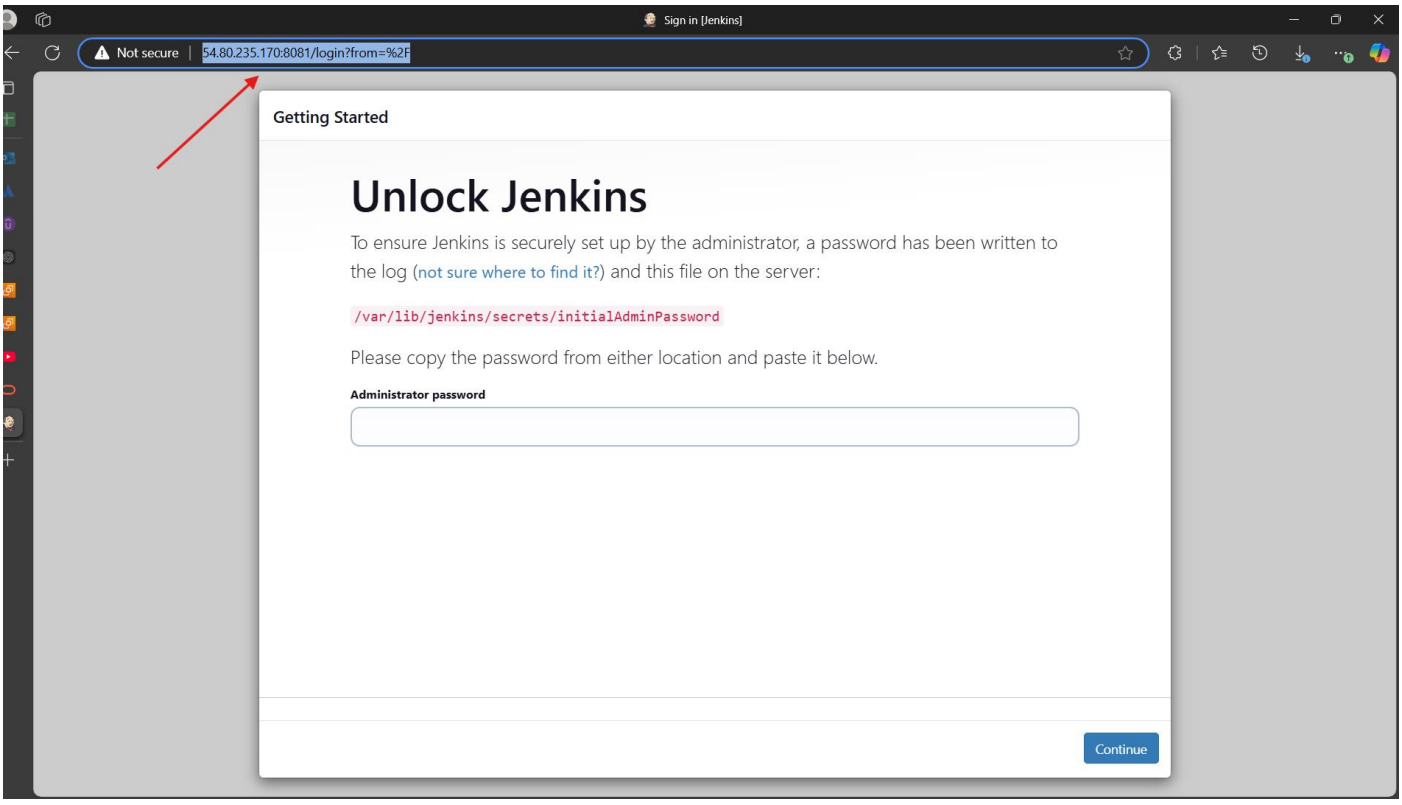
```
[root@ip-10-0-0-69 ~]# systemctl status jenkins.service
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2024-11-27 10:09:10 UTC; 4min 56s ago
 Main PID: 4810 (java)
   CGroup: /system.slice/jenkins.service
           └─4810 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8080

Nov 27 10:09:04 ip-10-0-0-69.ec2.internal jenkins[4810]: a865f52050c244f894488b46a7a1fbcd
Nov 27 10:09:04 ip-10-0-0-69.ec2.internal jenkins[4810]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Nov 27 10:09:04 ip-10-0-0-69.ec2.internal jenkins[4810]: *************************************************************
Nov 27 10:09:04 ip-10-0-0-69.ec2.internal jenkins[4810]: *************************************************************
Nov 27 10:09:04 ip-10-0-0-69.ec2.internal jenkins[4810]: *************************************************************
Nov 27 10:09:09 ip-10-0-0-69.ec2.internal jenkins[4810]: 2024-11-27 10:09:09.977+0000 [id=32]        INFO        jenkins.InitReactorR
Nov 27 10:09:10 ip-10-0-0-69.ec2.internal jenkins[4810]: 2024-11-27 10:09:10.001+0000 [id=24]        INFO        hudson.lifecycle.Lif
Nov 27 10:09:10 ip-10-0-0-69.ec2.internal systemd[1]: Started Jenkins Continuous Integration Server.
Nov 27 10:09:10 ip-10-0-0-69.ec2.internal jenkins[4810]: 2024-11-27 10:09:10.228+0000 [id=47]        INFO        h.m.DownloadService$
Nov 27 10:09:10 ip-10-0-0-69.ec2.internal jenkins[4810]: 2024-11-27 10:09:10.229+0000 [id=47]        INFO        hudson.util.Retrier#
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-10-0-0-69 ~]# lsof -i tcp:8080
COMMAND  PID    USER   FD   TYPE DEVICE SIZE/OFF NODE NAME
java    4810 jenkins    8u  IPv6  68719      0t0  TCP *:webcache (LISTEN)
```

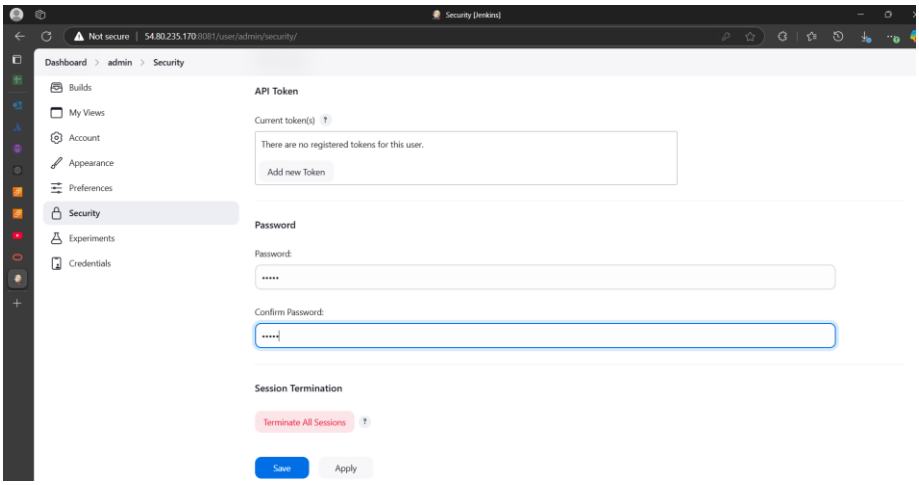
>>CHANGING PORT NO OF JENKINS TO 8081

```
[root@ip-10-0-0-69 lib]# find / -name jenkins.service
/sys/fs/cgroup/systemd/system.slice/jenkins.service
/usr/lib/systemd/system/jenkins.service
[root@ip-10-0-0-69 lib]# vi /usr/lib/systemd/system/jenkins.service
[root@ip-10-0-0-69 lib]# systemctl restart jenkins
[root@ip-10-0-0-69 lib]# systemctl status jenkins | grep -http
grep: invalid option -- 't'
Usage: grep [OPTION]... PATTERN [FILE]...
Try 'grep --help' for more information.
[root@ip-10-0-0-69 lib]# 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 10:31:22 UTC; 31s ago
 Main PID: 19048 (java)
   CGroup: /system.slice/jenkins.service
           └─19048 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8081
```

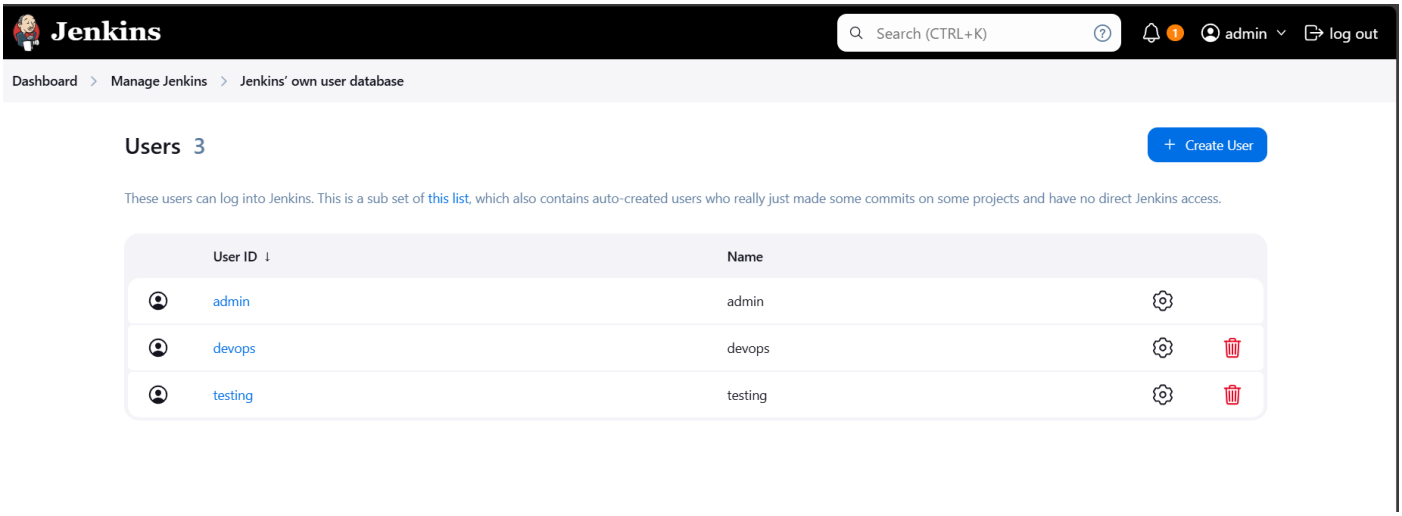
>>CHECKING ON WEB BRO

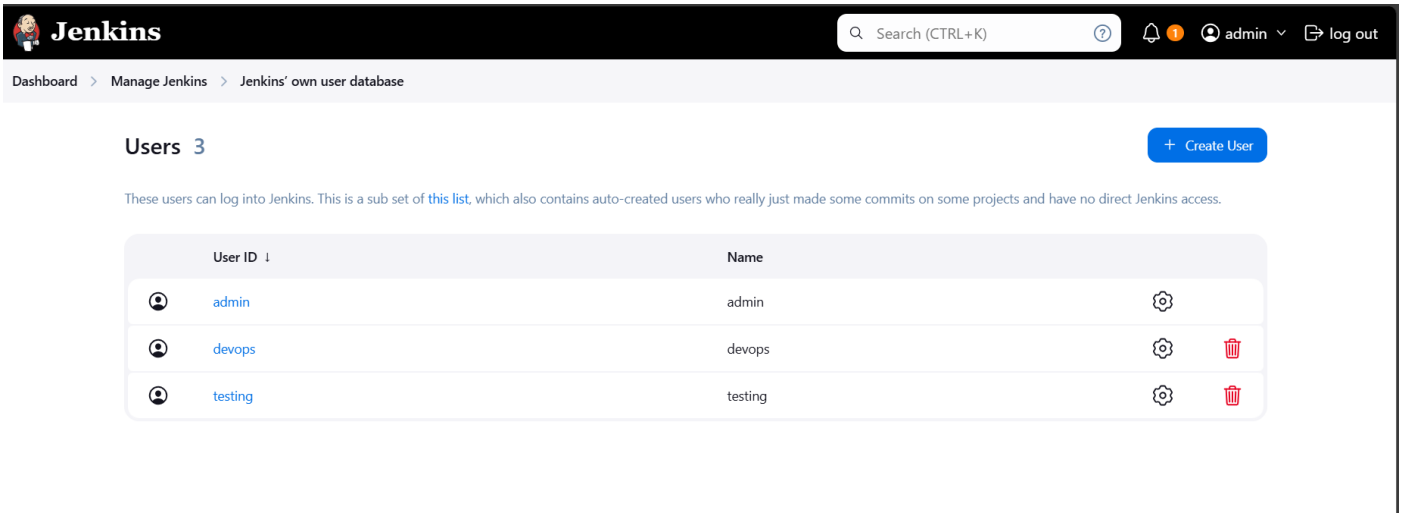


2) Secure Jenkins server

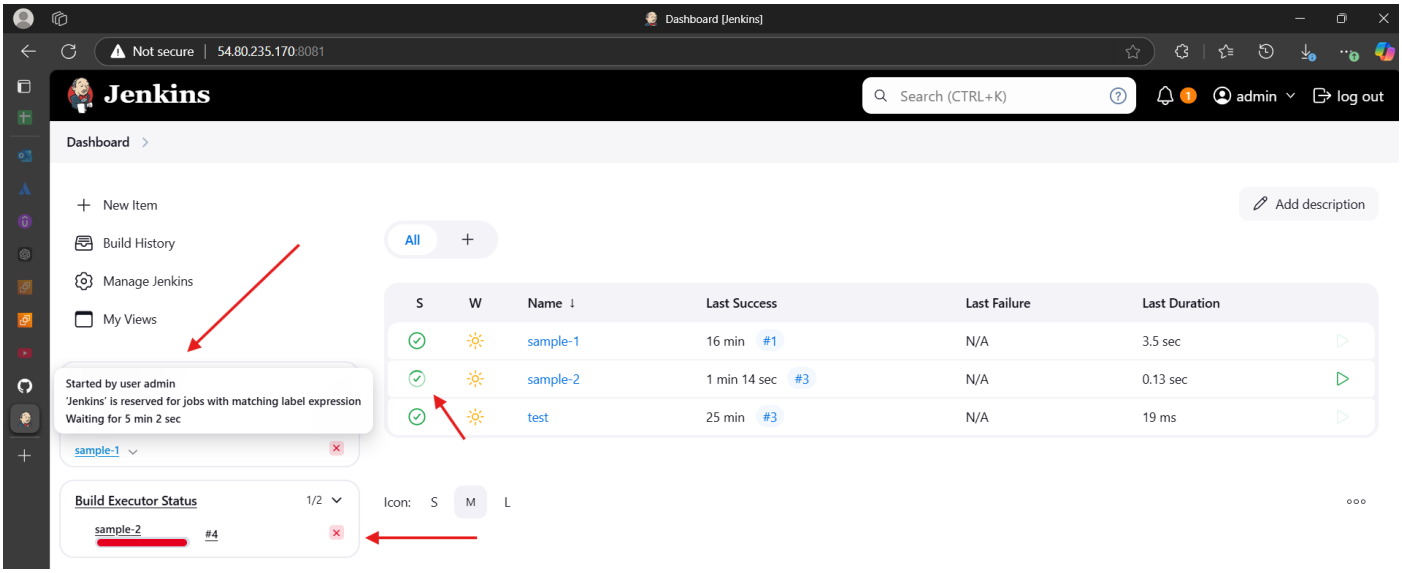


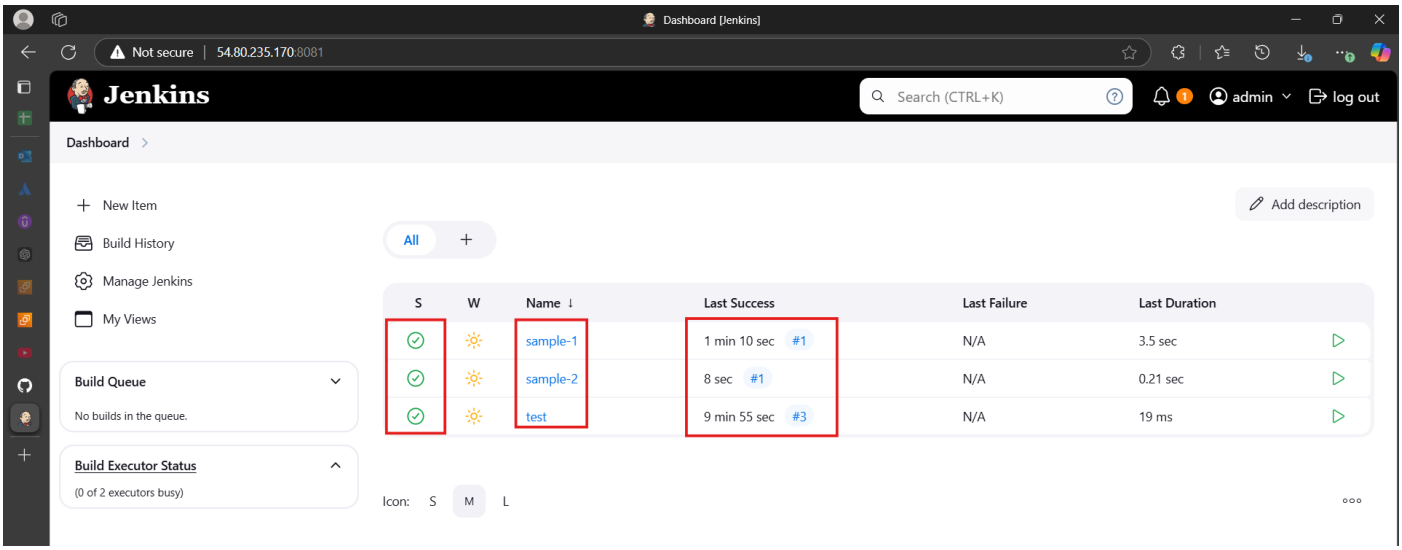
3) Create users called Devops, Testing in Jenkins with Limited access.





4) CONFIGURE LABELS AND RESTRICT THE JOBS TO EXECUTE BASED ON LABEL ONLY.



5) CREATE THREE SAMPLE JOBS USING THE BELOW URL.

HTTPS://GITHUB.COM/BETAWINS/TECHIE_HORIZON_LOGIN_APP.GIT