

Creating user jack and adding it to group wheel and nobodygroup

Step1: Creating instance, so that I can access ec2 instance.

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...[read more](#)

ami-02b49a24cfb95941c

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

Cancel

Launch instance

Created an instance

[EC2](#) > [Instances](#) > Launch an instance

✓ Success

Successfully initiated launch of instance ([i-04f7e7cd28bd0d0c0](#))

► Launch log

2) Created user jack and assigned password alberto to it.

```
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/usr/sbin/nologin
systemd-oom:x:999:999:systemd Userspace OOM Killer:/usr/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/usr/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
libstoragemgmt:x:997:997:daemon account for libstoragemgmt:/usr/sbin/nologin
systemd-coredump:x:996:996:systemd Core Dumper:/usr/sbin/nologin
systemd-timesync:x:995:995:systemd Time Synchronization:/usr/sbin/nologin
chrony:x:994:994:chrony system user:/var/lib/chrony:/sbin/nologin
ec2-instance-connect:x:993:993:/home/ec2-instance-connect:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
ec2-user:x:1000:1000:EC2 Default User:/home/ec2-user:/bin/bash
jack:x:1001:1001:/home/jack:/bin/bash
```

```
ec2-user:!!:19968:0:99999:7:::
jack:$6$fLMoXS16ja0hV2c8$3L9NFT.KyAbs8uhxe8UoPEVyx87w8x33IjSGVzCepZRan0gCJYLK3zBZPFhNm3PYPPZAJcJv7m17sJRY4eNls/:19968:0:
99999:7:::
```

3) it is part of groups wheel and nobody

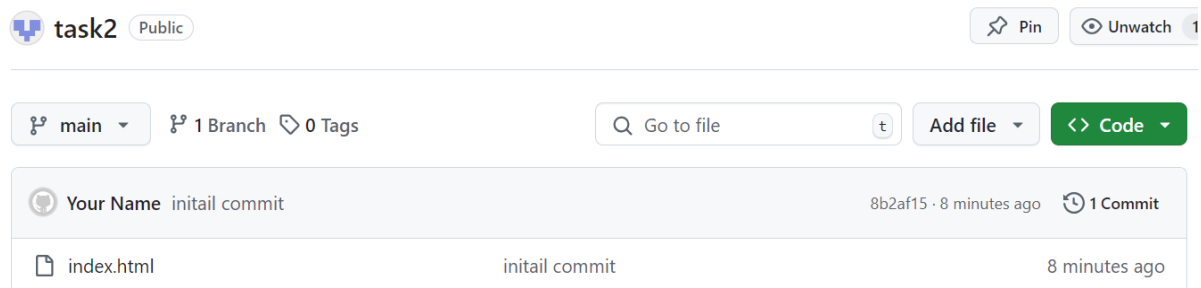
```
root:x:0:
bin:x:1:
daemon:x:2:
sys:x:3:
adm:x:4:ec2-user
tty:x:5:
disk:x:6:
lp:x:7:
mem:x:8:
kmem:x:9:
wheel:x:10:ec2-user,jack
cdrom:x:11:
mail:x:12:
man:x:15:
dialout:x:18:
floppy:x:19:
games:x:20:
tape:x:33:
video:x:39:
ftp:x:50:
lock:x:54:
audio:x:63:
users:x:100:
nobody:x:65534:jack
utmp:x:22:
utempter:x:35:
dbus:x:81:
input:x:104:
kvm:x:36:
"/etc/group" 51L, 735B
```

Steps used to do this are:

```
[root@dev ~]# vim /etc/shadow
[root@dev ~]# history
 1  sudo useradd jack
 2  sudo passwd jack
 3  sudo su - jack
 4  passwd
 5  groupadd jack wheel
 6  groupadd wheel
 7  usermod -G jack wheel
 8  usermod -G wheel jack
 9  vim /etc/group
10  usermod -G nobody jack
11  vim /etc/group
12  usermod -aG wheel jack
13  vim /etc/group
14  vim /etc/shadow
15  history
[root@dev ~]# |
```

2)Created connection between github and developer

```
22 yum install git -y
23 git init
24 cat index.html
25 cat > index.html
26 cat index.html
27 git status
28 git add .
29 git commit -m "initail commit"
30 git config --global user.email "rutik@example.com"
31 git config --global user.name "Your Name"
32 git commit -m "initail commit"
33 cd
34 ssh-keygen
35 ls
36 ls -a
37 cd .ssh
38 ls -a
39 cat id_rsa.pub
40 cd
41 ll
42 cd newdir
43 git status
44 git branch
45 git branch -m main
46 git branch
47 git remote add origin git@github.com:rutikr-lti/task2.git
48 git remote -v
49 git push origin main
50 history
```

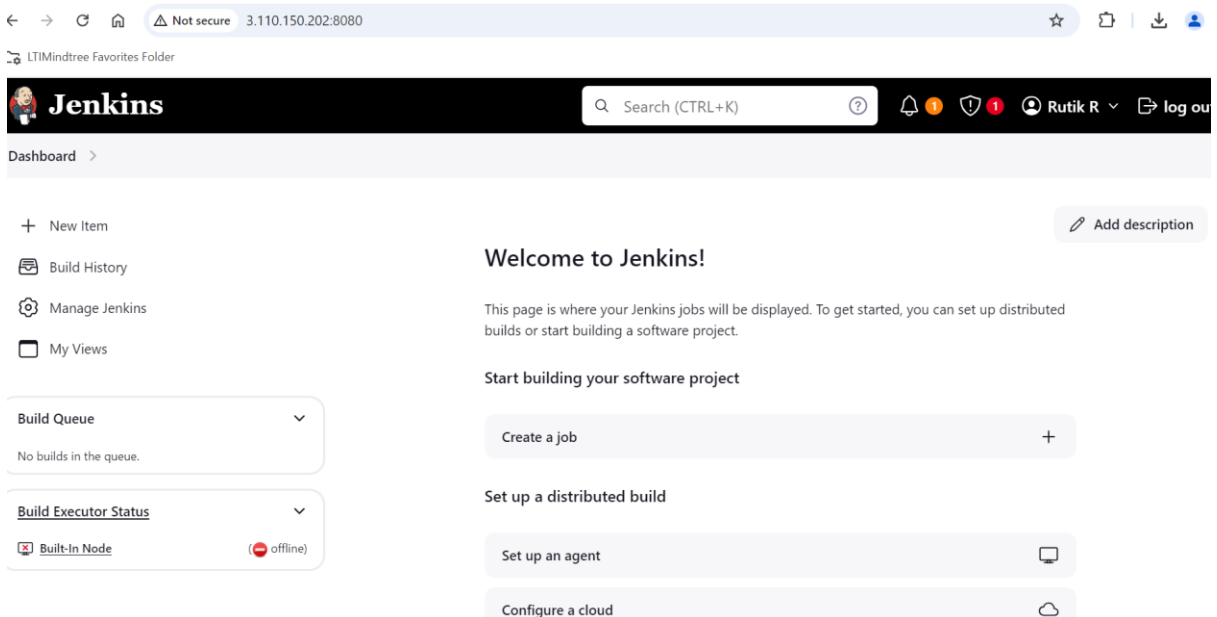
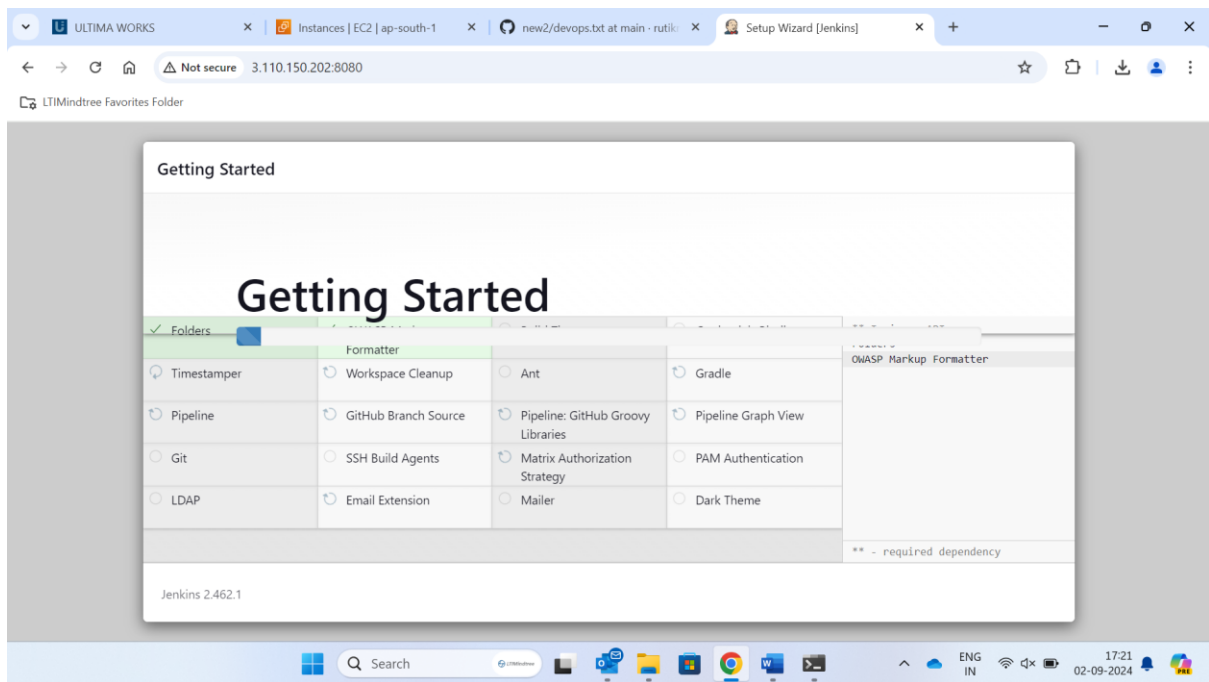


Setup Jenkins server :

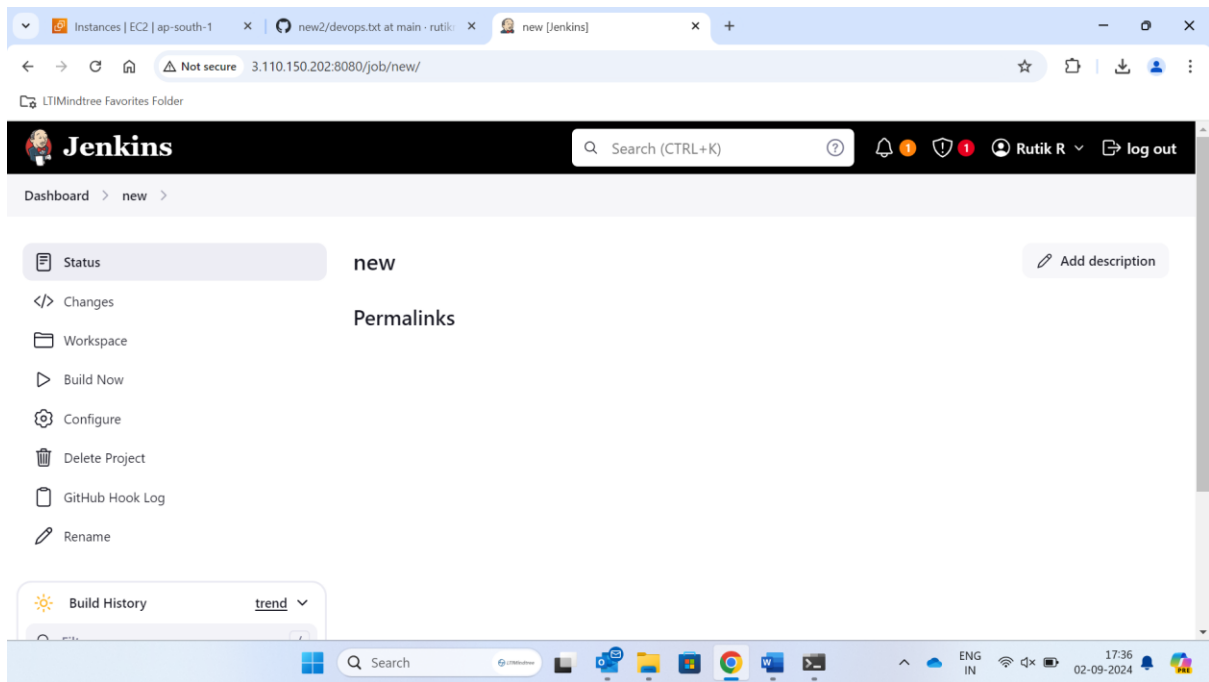
With commands:

```
[root@jenkin-server ~]# history
1 yum install git
2 dnf install java-17-amazon-corretto -y
3 wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
4 rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key
5 install jenkins y
6 dnf install jenkins y
7 dnf install jenkins -y
8 systemctl enable jenkins
9 systemctl start jenkins
10 systemctl status jenkins
11 history
[root@jenkin-server ~]#
```

Started Jenkins successfully :



Integration of Jenkins with github



Commands used:

```
[root@jenkin-server ~]# history
1  yum install git
2  dnf install java-17-amazon-corretto -y
3  wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
4  rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key
5  install jenkins y
6  dnf install jenkins y
7  dnf install jenkins -y
8  systemctl enable jenkins
9  systemctl start jenkins
10 systemctl status jenkins
11 history
12 cat /var/lib/jenkins/secrets/initialAdminPassword
13 history
[root@jenkin-server ~]#
```