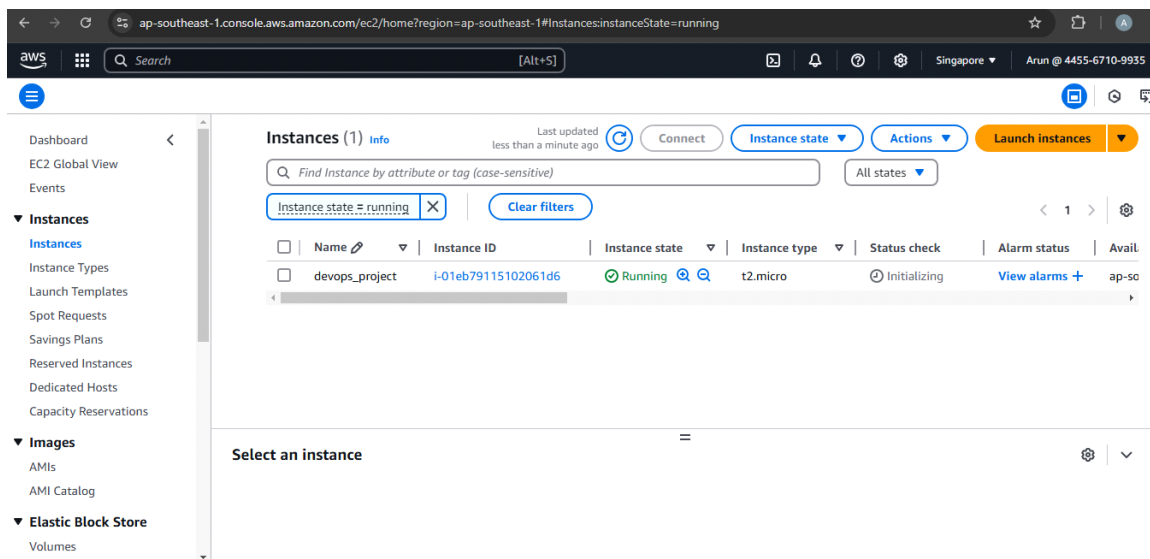
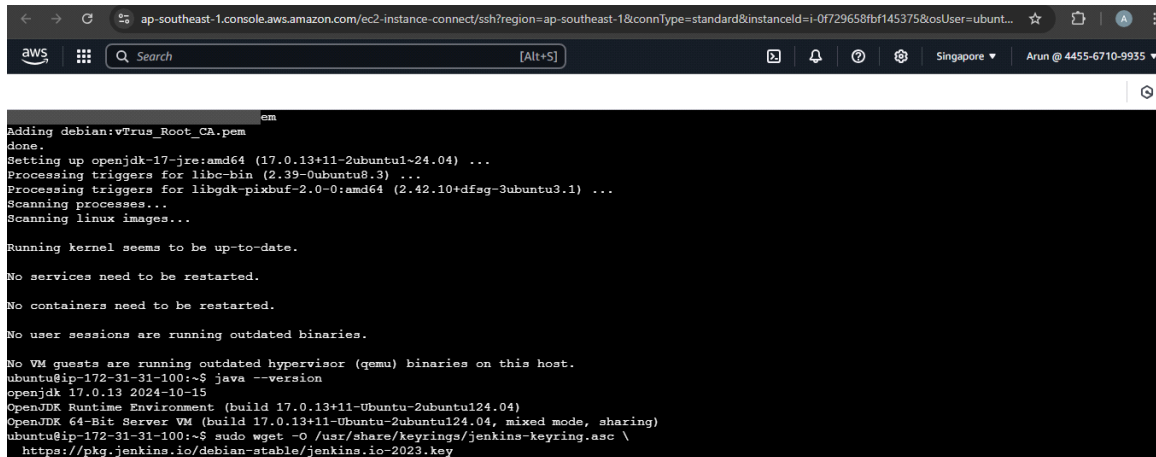


# DEVOPS LIFE CYCLE IMPLEMENTATION FOR ABODE SOFTWARE

Presented by  
ARUNARATH S



- Login to AWS console
- Create a EC2 instance



The screenshot shows the AWS Management Console interface for an EC2 instance. The terminal output displays the following commands and results:

```
Adding debian:vTrus_Root_CA.pem
done.
Setting up openjdk-17-jre:amd64 (17.0.13+11-2ubuntu1~24.04) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.10+dfsg-3ubuntu3.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

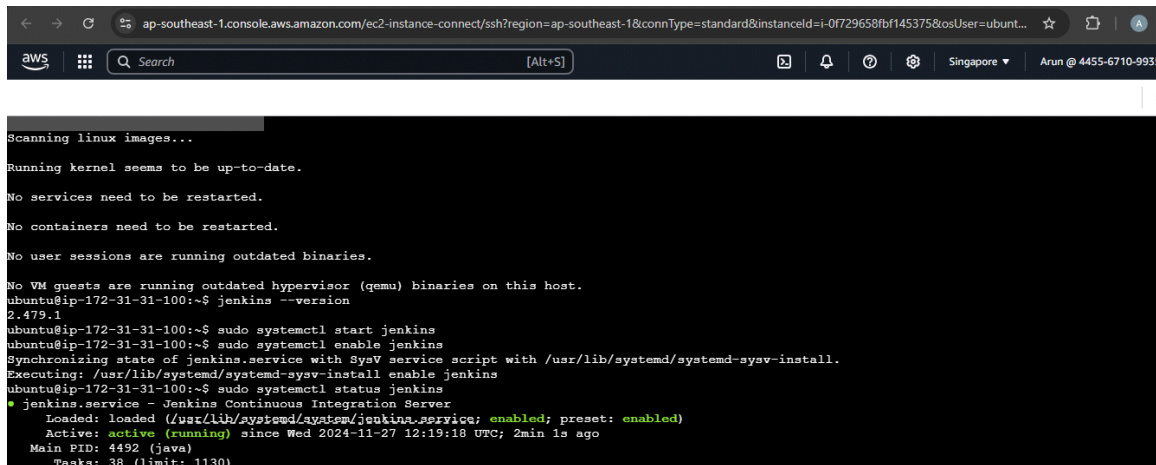
No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-31-100:~$ java --version
openjdk 17.0.13 2024-10-15
OpenJDK Runtime Environment (build 17.0.13+11-Ubuntu-2ubuntu124.04)
OpenJDK 64-Bit Server VM (build 17.0.13+11-Ubuntu-2ubuntu124.04, mixed mode, sharing)
ubuntu@ip-172-31-31-100:~$ sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
```

- Connect to the AWS EC2 instance
- Install the Java



The screenshot shows the AWS Management Console interface for an EC2 instance. The terminal output displays the following commands and results:

```
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-31-100:~$ jenkins --version
2.479.1
ubuntu@ip-172-31-31-100:~$ sudo systemctl start jenkins
ubuntu@ip-172-31-31-100:~$ sudo systemctl enable jenkins
Synchronizing state of jenkins.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable jenkins
ubuntu@ip-172-31-31-100:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-11-27 12:19:18 UTC; 2min 1s ago
     Main PID: 4492 (java)
       Tasks: 38 (limit: 1130)
```

- Jenkins was installed

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-0f729658fbf145375&osUser=ubunt...
AWS Search [Alt+S] Singapore Arun @ 4455-6710-9935

Setting up libwww-perl (6.76-1) ...
Setting up libmediawiki-api-perl (0.52-2) ...
Setting up liblwp-protocol-https-perl (6.13-1) ...
Setting up git-mediawiki (1:2.43.0-1ubuntu7.1) ...
Setting up git-all (1:2.43.0-1ubuntu7.1) ...
Processing triggers for install-info (7.1-3build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-31-100:~$ git --version
git version 2.43.0
ubuntu@ip-172-31-31-100:~$
```

- Git was installed

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-0f729658fbf145375&osUser=ubunt...
AWS Search [Alt+S] Singapore Arun @ 4455-6710-9935

Setting up python3-dotenv (1.0.1-1) ...
Setting up python3-texttable (1.6.7-1) ...
Setting up python3-docopt (0.6.2-6) ...
Setting up python3-websocket (1.7.0-1) ...
Setting up python3-dockerpty (0.4.1-5) ...
Setting up python3-docker (5.0.3-1ubuntu1.1) ...
Setting up python3-compose (1.29.2-6ubuntu1) ...
Setting up docker-compose (1.29.2-6ubuntu1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-31-100:~$ docker --version
Docker version 26.1.3, build 26.1.3-0ubuntu1~24.04.1
ubuntu@ip-172-31-31-100:~$
```

- Docker was installed

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-0f729658fbf145375&osUser=ubunt...
AWS Search [Alt+S] Singapore Arun @ 4455-6710-9935

Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

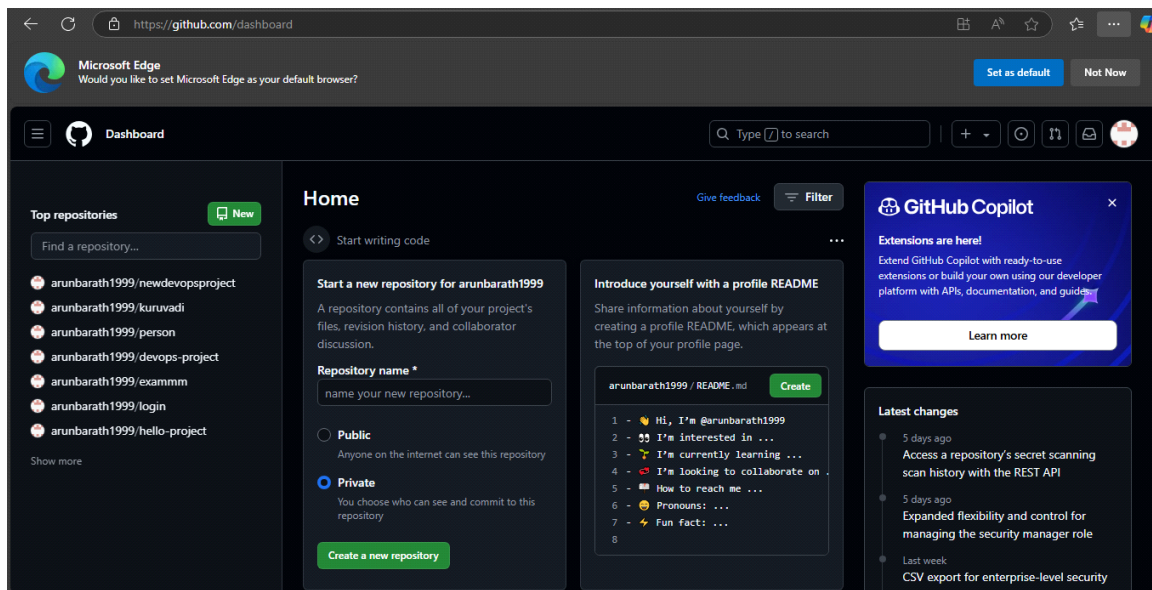
No services need to be restarted.

No containers need to be restarted.

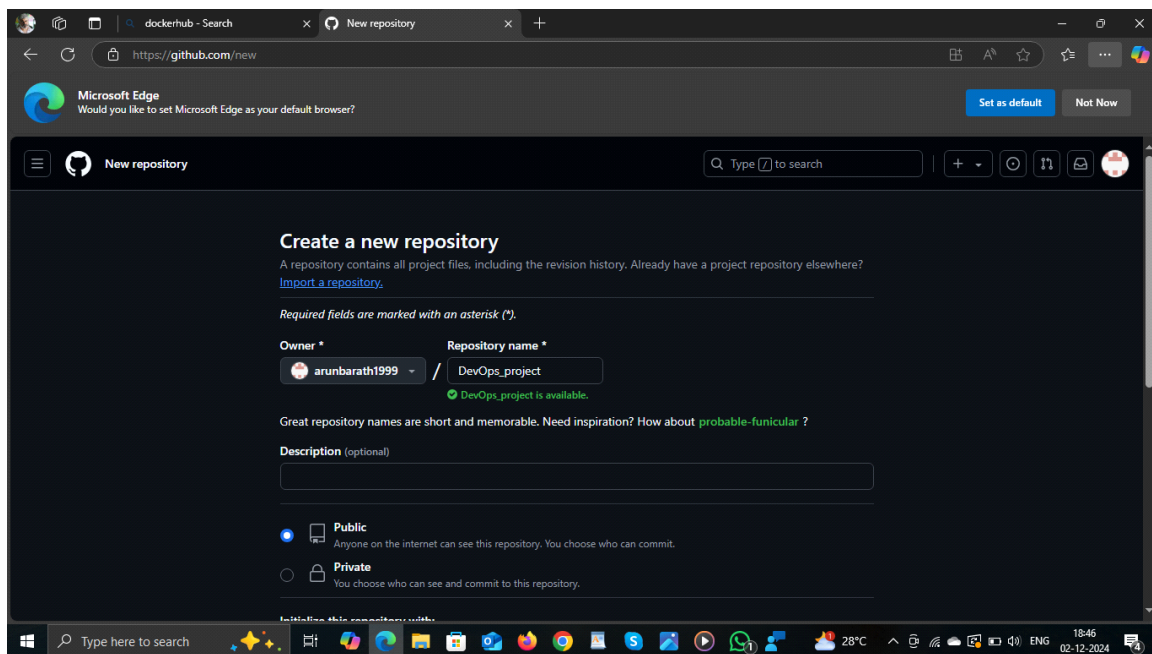
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-31-100:~$ ansible --version
ansible [core 2.17.6]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /home/ubuntu/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.12.3 (main, Sep 11 2024, 14:17:37) [GCC 13.2.0] (/usr/bin/python3)
  jinja version = 3.1.2
  libyaml = True
ubuntu@ip-172-31-31-100:~$
```

- Install the Ansible software



- In Git hub a new repository



- Create a Git hub repository and copy the repository URL

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-01eb79115102061d6&osUser=ubu...
aws Search [Alt+S] Singapore Arun @ 4455-6710-9935

-bash: /home/ubuntu/.bashrc: line 6: `<<<<<<< HEAD'
ubuntu@ip-172-31-29-109:~$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/.git/
ubuntu@ip-172-31-29-109:~$ sudo git branch
ubuntu@ip-172-31-29-109:~$ cd arun
-bash: cd: arun: No such file or directory
ubuntu@ip-172-31-29-109:~$ cd git
-bash: cd: git: No such file or directory
ubuntu@ip-172-31-29-109:~$ ls
devops
ubuntu@ip-172-31-29-109:~$ cd devops
ubuntu@ip-172-31-29-109:~/devops$ ls
Dockerfile  file
ubuntu@ip-172-31-29-109:~/devops$ git checkout master
```

i-01eb79115102061d6 (devops\_project)

PublicIPs: 13.215.159.167 PrivateIPs: 172.31.29.109

- Create a one directory for initializing the Git
- Change the directory

**cd Git**

**git init (to initialize the Git)**

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-01eb79115102061d6&osUser=ubu...
aws Search [Alt+S] Singapore Arun @ 4455-6710-9935

hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/ubuntu/.git/
ubuntu@ip-172-31-29-109:~$ sudo git branch
ubuntu@ip-172-31-29-109:~$ cd arun
-bash: cd: arun: No such file or directory
ubuntu@ip-172-31-29-109:~$ cd git
-bash: cd: git: No such file or directory
ubuntu@ip-172-31-29-109:~$ ls
devops
ubuntu@ip-172-31-29-109:~$ cd devops
ubuntu@ip-172-31-29-109:~/devops$ ls
Dockerfile  file
ubuntu@ip-172-31-29-109:~/devops$ git checkout master
Already on 'master'
ubuntu@ip-172-31-29-109:~/devops$ git checkout develop
Switched to branch 'develop'
ubuntu@ip-172-31-29-109:~/devops$
```

i-01eb79115102061d6 (devops\_project)

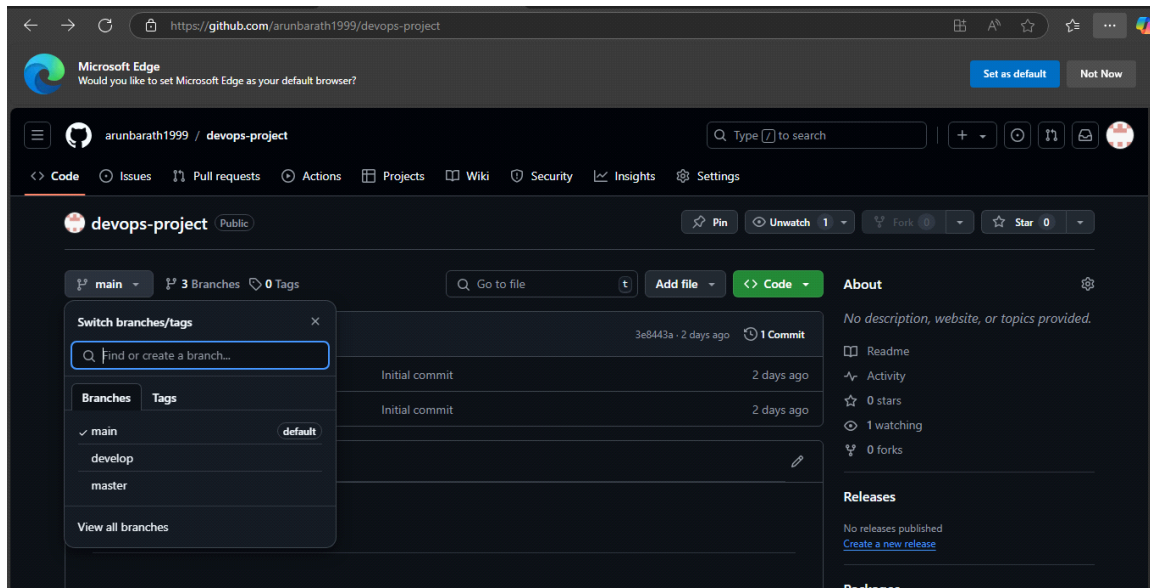
PublicIPs: 13.215.159.167 PrivateIPs: 172.31.29.109

- In local repository create a file
- and commit the file
- create a branch

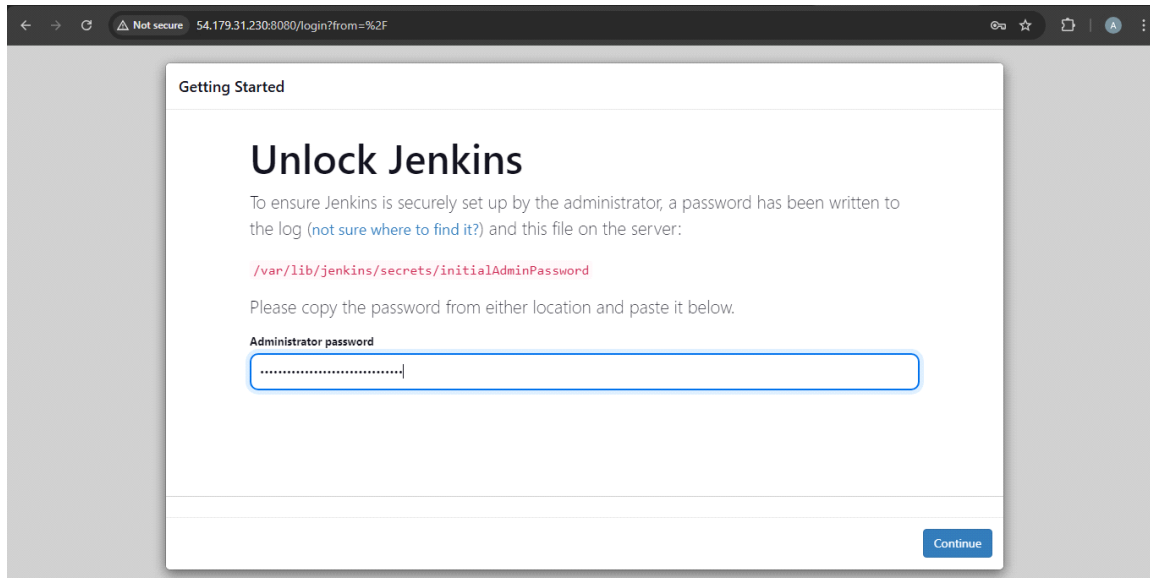
## sudo git branch develop(for creating the branch)

```
22 mkdir devops
23 cd devops
24 touch file
25 vim file
26 git init
27 git add .
28 git remote add origin https://github.com/arunbarath1999/devops-project.git
29 git push origin master
30 git commit -m "welcome to devops"
31 git push origin master
32 git branch develop
33 git push origin develop
```

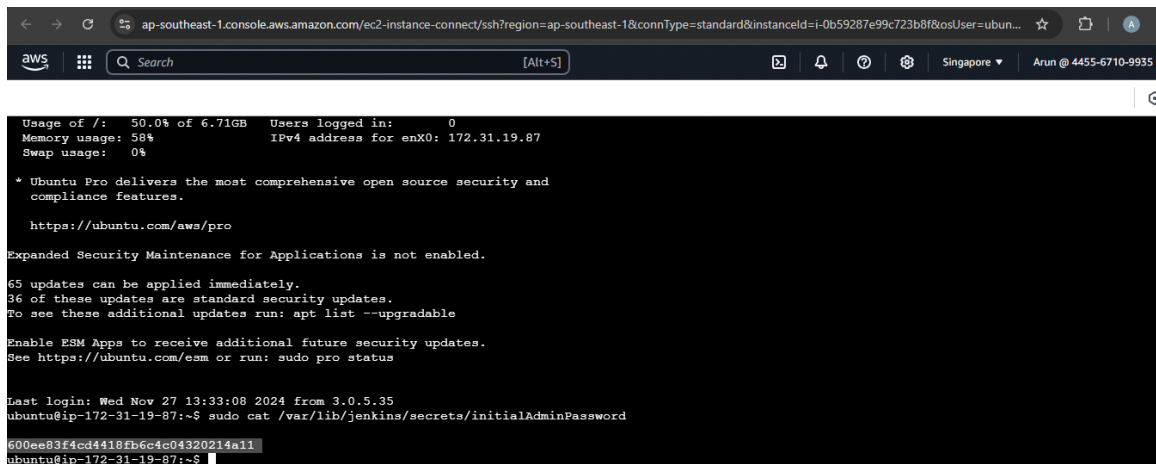
- sudo git remote add origin <git hub repository>
- Git push origin master (for pushing the master branch to Git hub)
- Git push origin develop (for pushing the develop branch to Git hub)



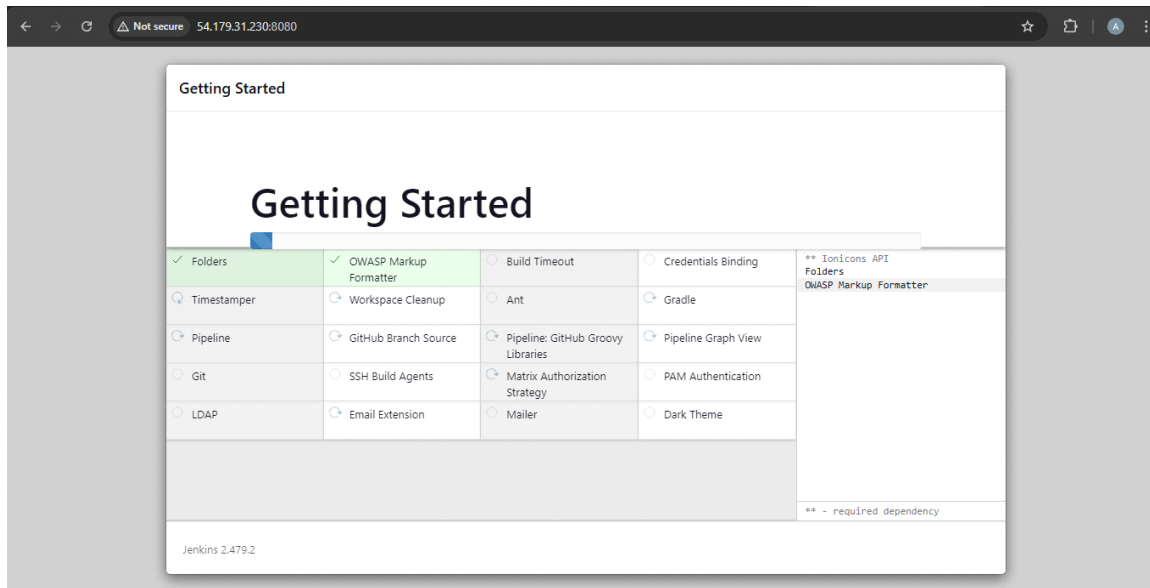
- Two branches from local repo was pushed to Git hub



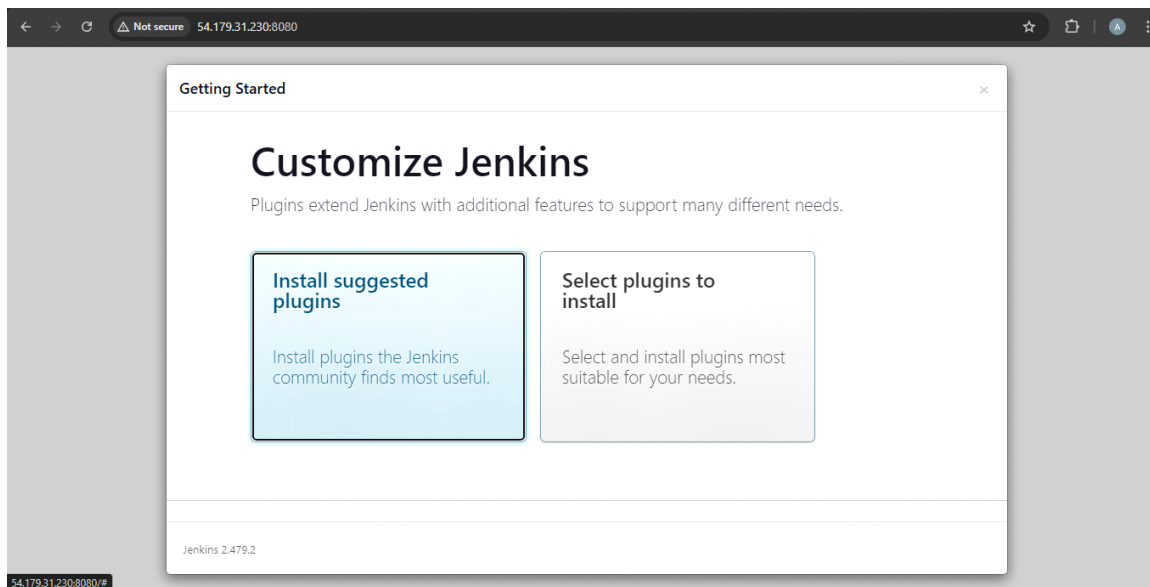
- now copy the public ip address of the Ec2 instance where jenkins was installed <public ip address>:8080
- copy the path for administrator password



- sudo cat /var/lib/jenkins/secrets/initialadminpassword (for administrator password)
- copy the password and past in the Administrator password

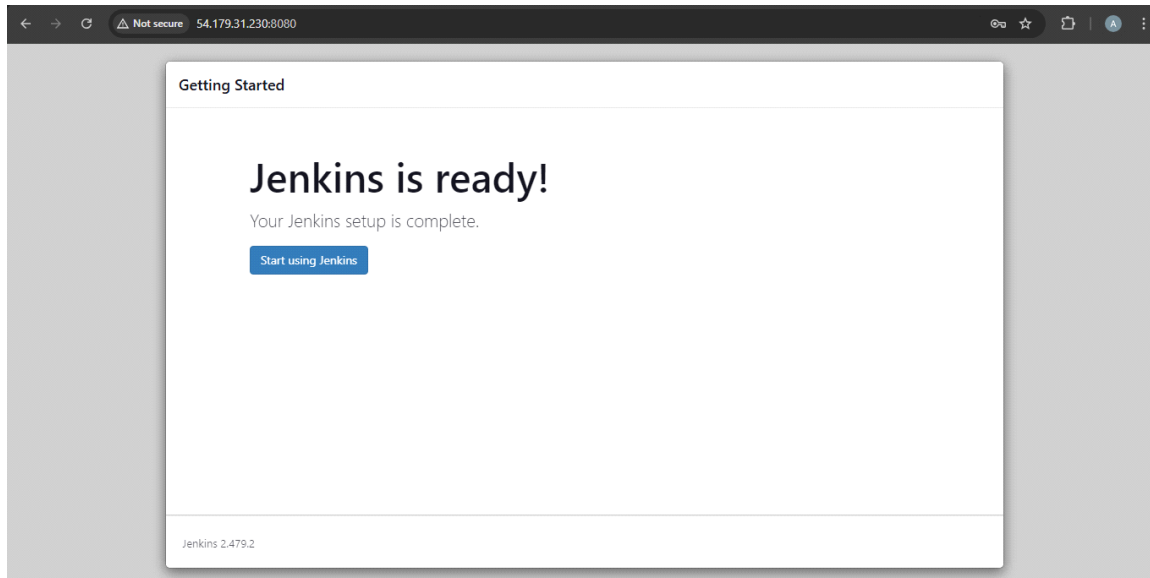


- required plugins was getting installed

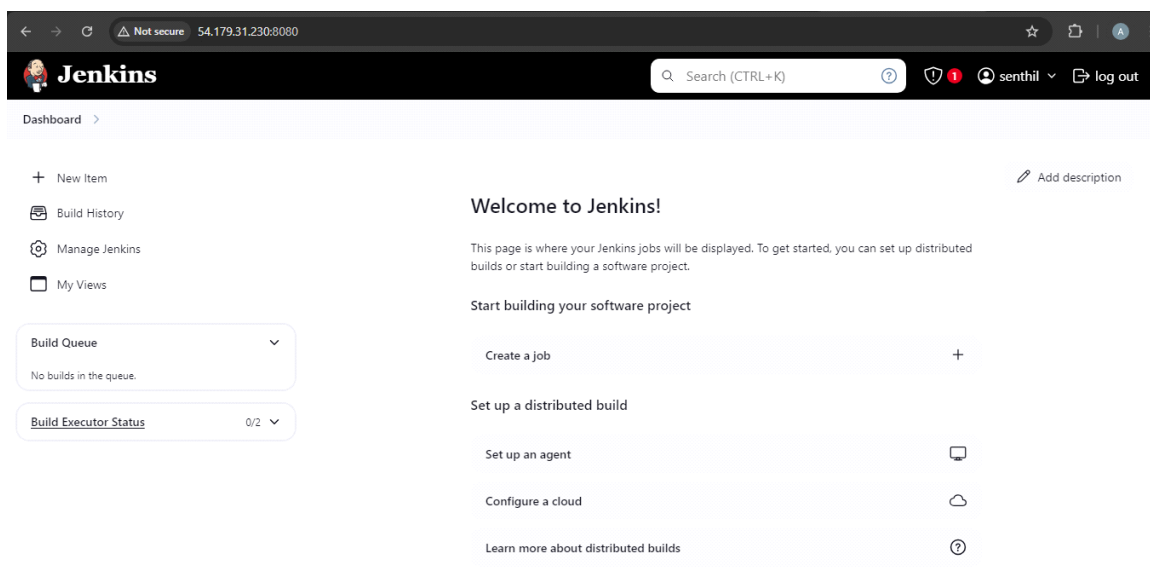


- selected the install suggested plugins





- Jenkins is ready



- click on new item for creating the job

The screenshot shows the Jenkins Configuration page for a build job. The breadcrumb trail is Dashboard > build > Configuration. The left sidebar has three tabs: General (selected), Advanced Project Options, and Pipeline. The main content area is titled 'Configure' and contains several sections. The 'Plain text' section is at the top. Below it are three checkboxes: 'Discard old builds', 'Do not allow concurrent builds', and 'Do not allow the pipeline to resume if the controller restarts'. The 'GitHub project' checkbox is checked. Below it is the 'Project url' field, which contains the text 'https://github.com/aronbarath1999/newdevopsproject.git'. There is an 'Advanced' dropdown menu below the project url. At the bottom, there are two checkboxes: 'Pipeline speed/durability override' and 'Preserve stashes from completed builds'. At the very bottom are 'Save' and 'Apply' buttons.

Dashboard > build > Configuration

### Configure

Plain text [Preview](#)

☐ Discard old builds [?](#)

☐ Do not allow concurrent builds

☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project url [?](#)

Advanced [v](#)

☐ Pipeline speed/durability override [?](#)

☐ Preserve stashes from completed builds [?](#)

☐ This project is parameterized [?](#)

[Save](#) [Apply](#)

- click on the github project
- in project url past the git hub repository url

The screenshot shows the Jenkins 'Update credentials' page. The breadcrumb trail is Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > ubuntu. The left sidebar has three tabs: Update (selected), Delete, and Move. The main content area is titled 'Update credentials'. It contains a 'Scope' dropdown menu with the value 'Global (Jenkins, nodes, items, all child items, etc)'. Below it is the 'ID' field with the value 'build'. The 'Description' field is empty. The 'Username' field has the value 'ubuntu'. At the bottom, there is a checkbox 'Treat username as secret' which is unchecked. At the very bottom is a 'Save' button.

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > ubuntu

### Update credentials

Scope [?](#)

Global (Jenkins, nodes, items, all child items, etc) [v](#)

ID [?](#)

build

Description [?](#)

Username

ubuntu

☐ Treat username as secret [?](#)

[Save](#)

- create a Jenkins credentials

← → ↻ ⚠ Not secure 52.221.195.3:8080/manage/credentials/store/system/domain/\_/credential/build/update ☆ 📄 ⓘ

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > ubuntu

ubuntu

☐ Treat username as secret ?

Private Key

☒ Enter directly

Key

🔒 Concealed for Confidentiality [Replace](#)

Passphrase

[Save](#)

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- provide the private key

← → ↻ ⚠ Not secure 52.221.195.3:8080/manage/credentials/store/system/domain/\_/credential/build/update ☆ 📄 ⓘ

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > ubuntu

[🔧 Update](#)

[🗑 Delete](#)

[↻ Move](#)

### Update credentials

Scope ?

Global (Jenkins, nodes, items, all child items, etc) ▼

ID ?

build

Description ?

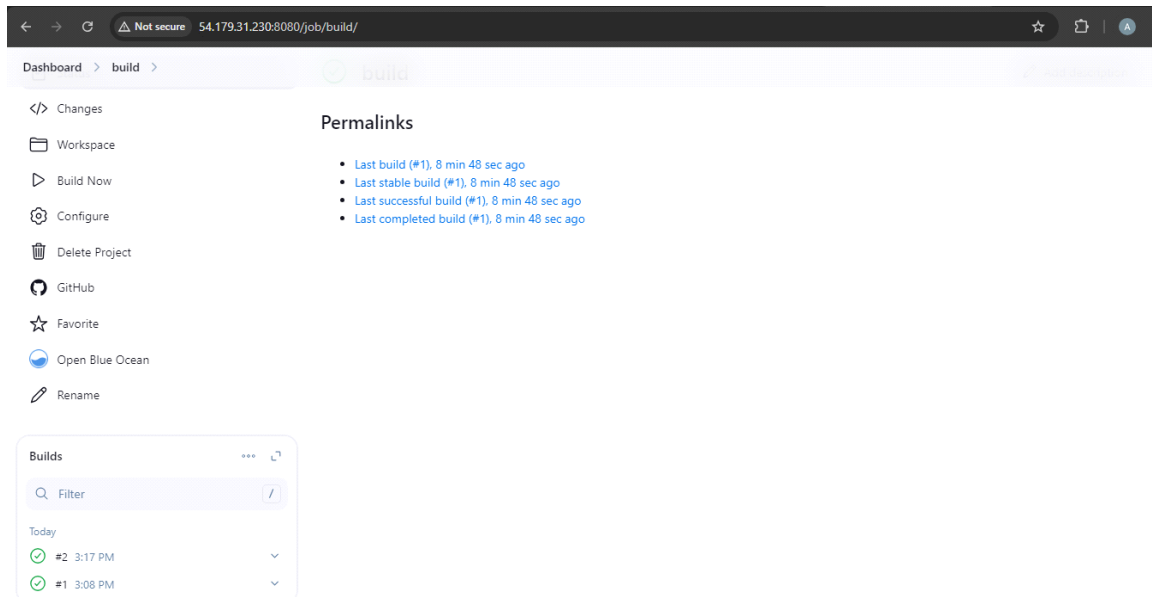
Username

ubuntu

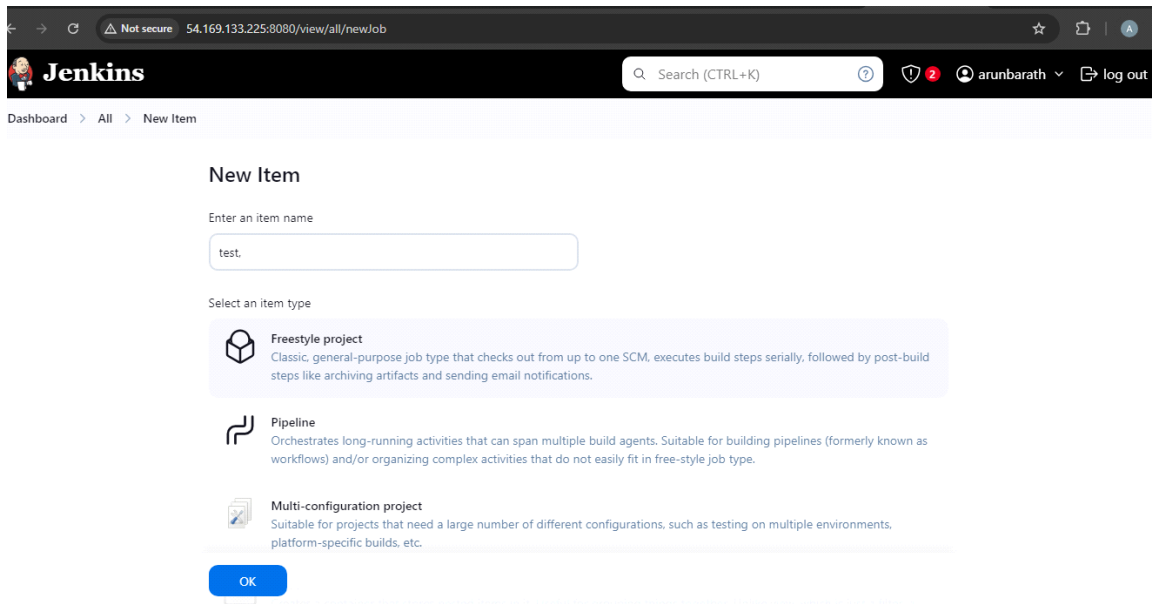
☐ Treat username as secret ?

[Save](#)

- selecte the credentials which we created and save

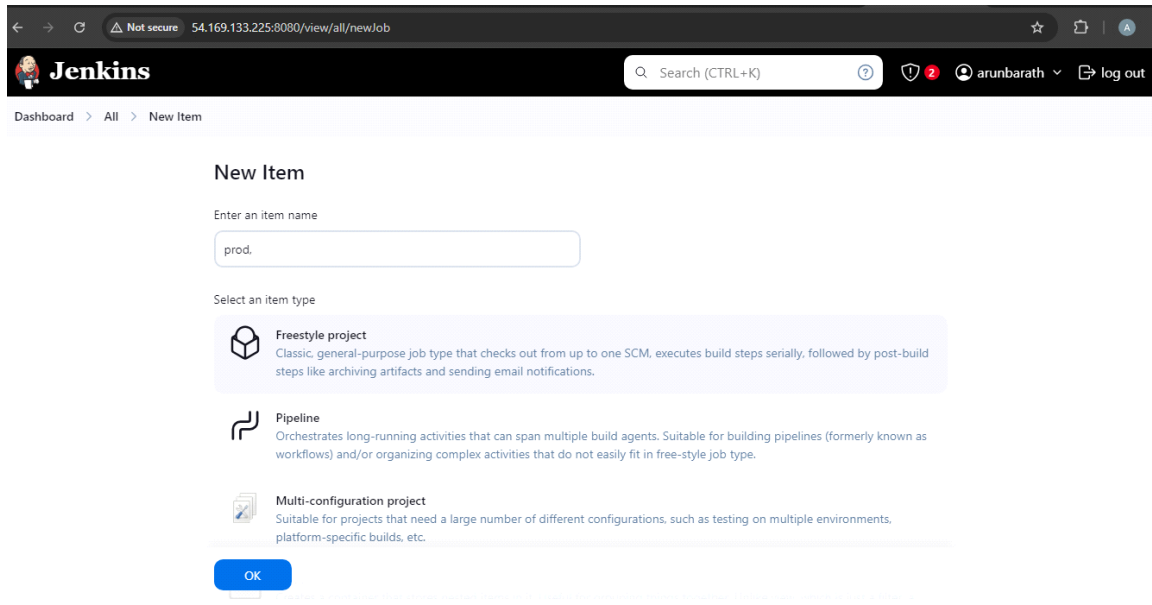


This screenshot shows the Jenkins 'build' page for a specific job. The browser address bar indicates the URL is 54.179.31.230:8080/job/build/. The page features a left-hand sidebar with navigation options: Changes, Workspace, Build Now, Configure, Delete Project, GitHub, Favorite, Open Blue Ocean, and Rename. The main content area is titled 'Permalinks' and lists four links: 'Last build (#1), 8 min 48 sec ago', 'Last stable build (#1), 8 min 48 sec ago', 'Last successful build (#1), 8 min 48 sec ago', and 'Last completed build (#1), 8 min 48 sec ago'. Below this, a 'Builds' section shows a list of builds for 'Today', including build #2 at 3:17 PM and build #1 at 3:08 PM, both marked with green checkmarks.

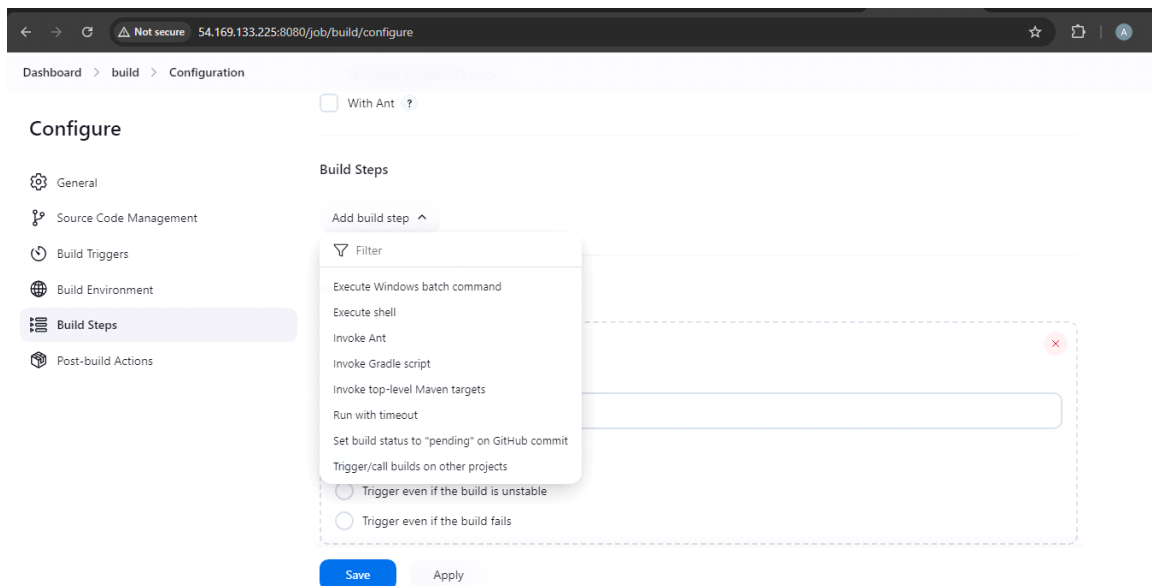


This screenshot shows the Jenkins 'New Item' page. The browser address bar shows the URL 54.169.133.225:8080/view/all/newJob. The page has a dark header with the Jenkins logo, a search bar, and a user profile for 'arunbarath' with a 'log out' button. The main content area is titled 'New Item' and includes a text input field for 'Enter an item name' with the value 'test.'. Below this is a section for 'Select an item type' with three options: 'Freestyle project' (described as a classic, general-purpose job type), 'Pipeline' (described as long-running activities), and 'Multi-configuration project' (described as suitable for projects needing many configurations). An 'OK' button is located at the bottom of the selection area.

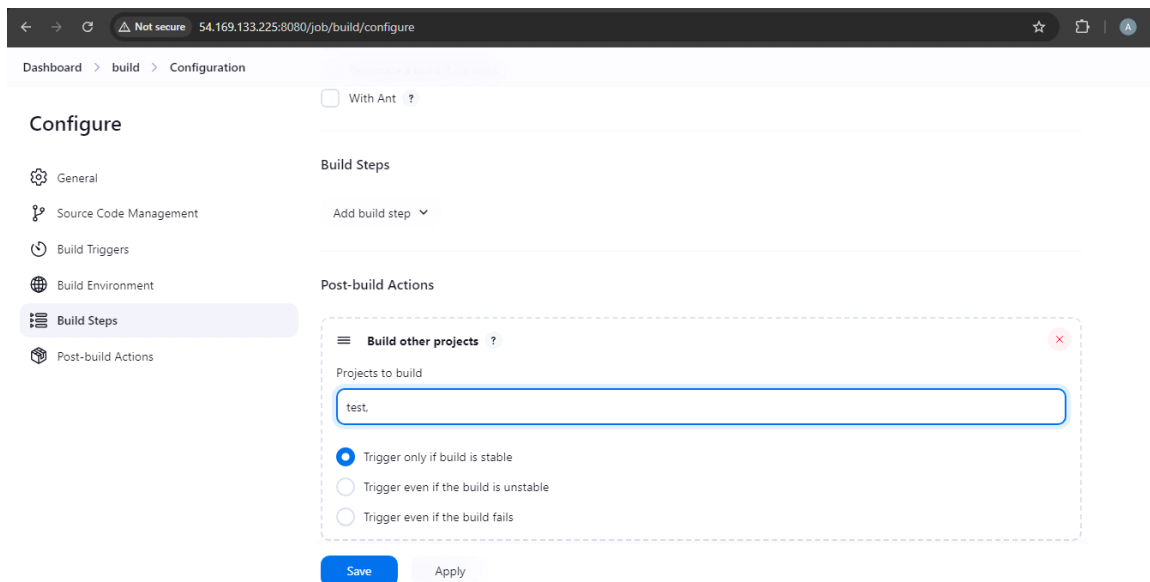
- create a test job



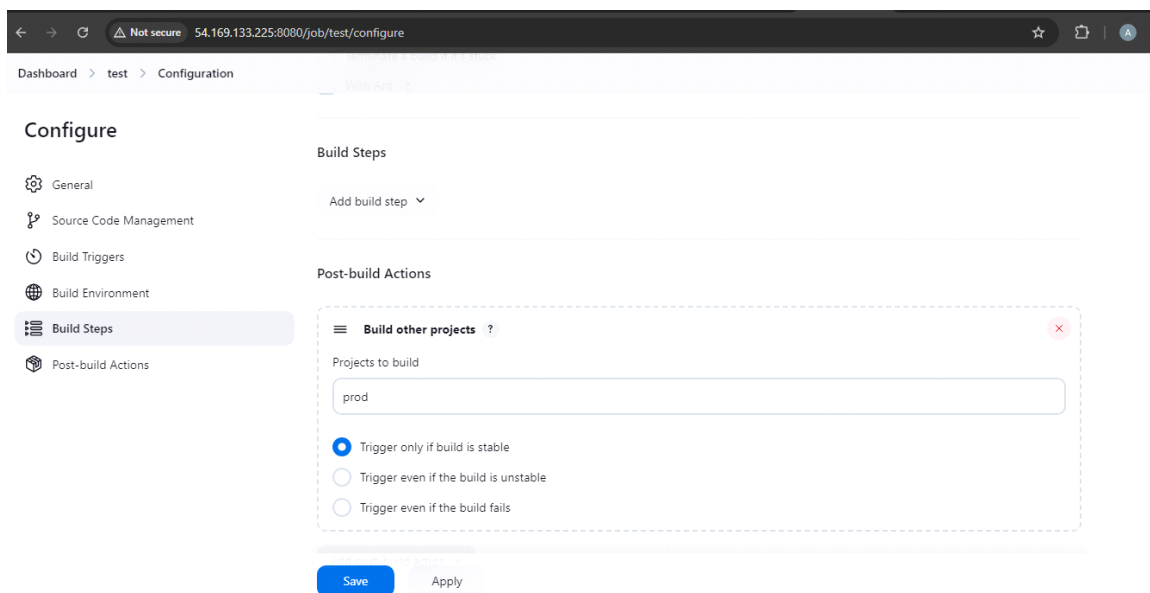
- created a prod job



- under built environment select the built other project



- under built steps select the trigger only if the built is stable
- click on save



- under built steps select the trigger only if the built is stable
- click on save

← → ↻ ⚠ Not secure 54.169.133.225:8080/job/develop\_build/configure ☆ 📄 ⓘ

Dashboard > develop\_build > Configuration

Configure

⚙ General

**🔑 Source Code Management**

🕒 Build Triggers

🌐 Build Environment

📋 Build Steps

🔧 Post-build Actions

ubuntu ▾

+ Add

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/develop

Add Branch

Repository browser ?

(Auto) ▾

Save Apply

← → ↻ ⚠ Not secure 54.169.133.225:8080/job/develop\_build/configure ☆ 📄 ⓘ

Dashboard > develop\_build > Configuration

Configure

⚙ General

🔑 Source Code Management

🕒 Build Triggers

🌐 Build Environment

**📋 Build Steps**

🔧 Post-build Actions

Build Steps

Add build step ▾

Post-build Actions

≡ Build other projects ?

Projects to build

test

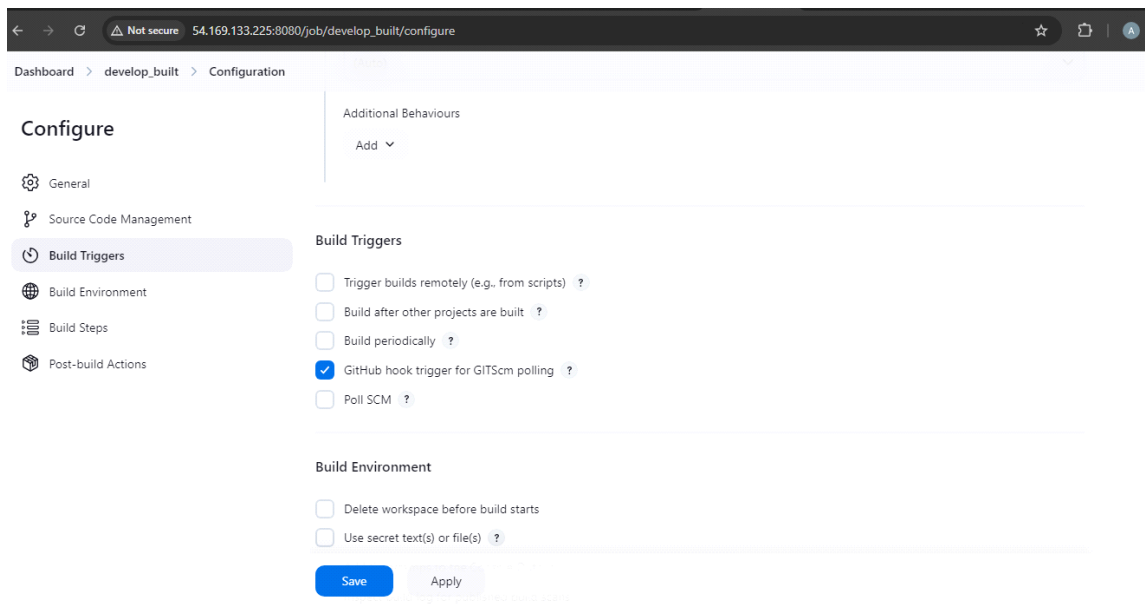
☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

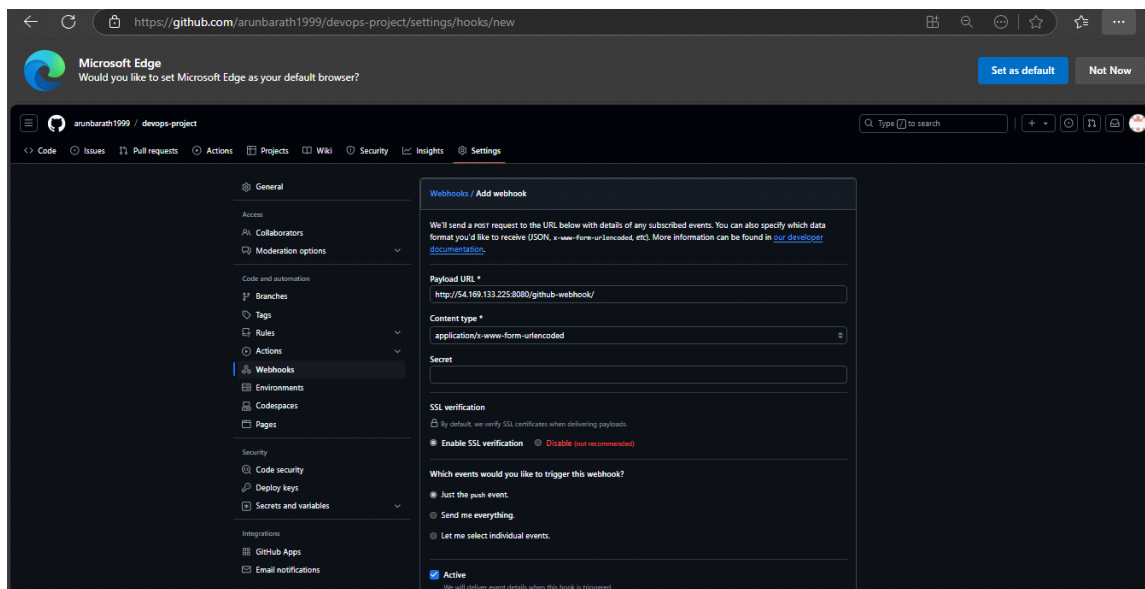
☐ Trigger even if the build fails

Add post-build action ▾

Save Apply

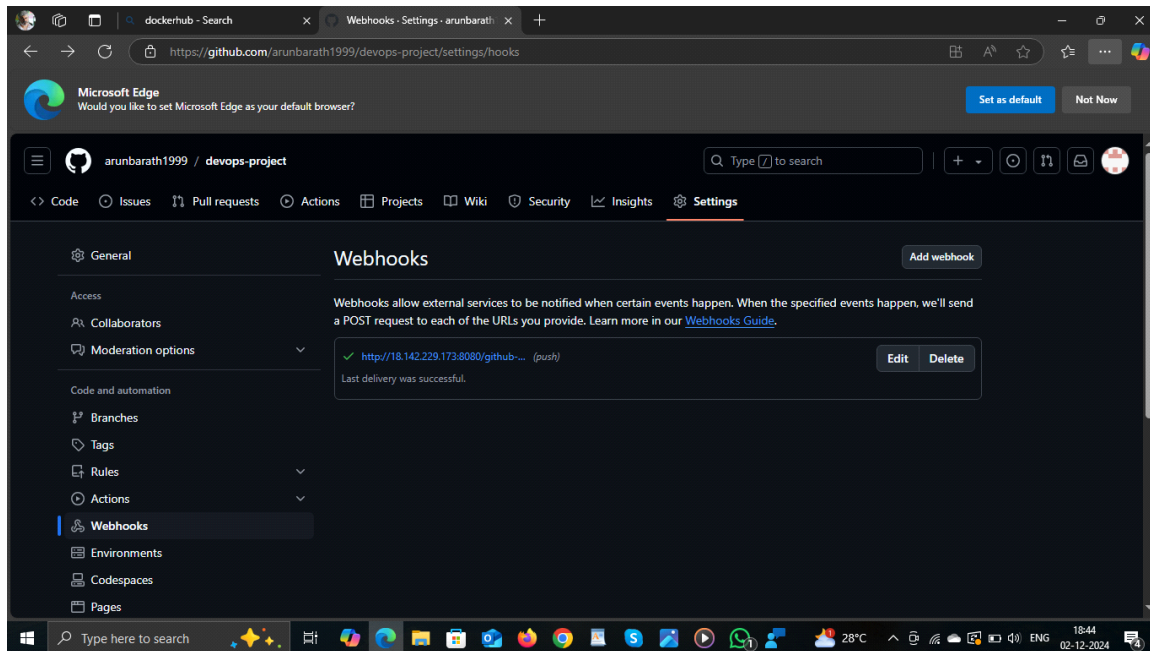


- for the automatic getting building the job when the file is pushed to Github branch

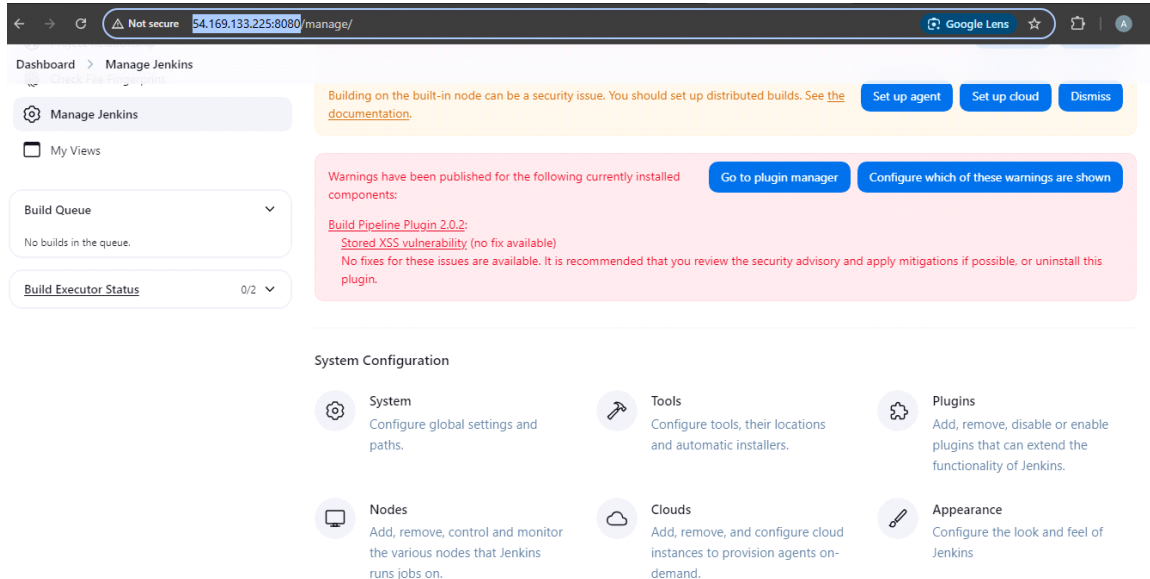


- in payload URL give the jenkins ip address /github-webhook/
- and click on save

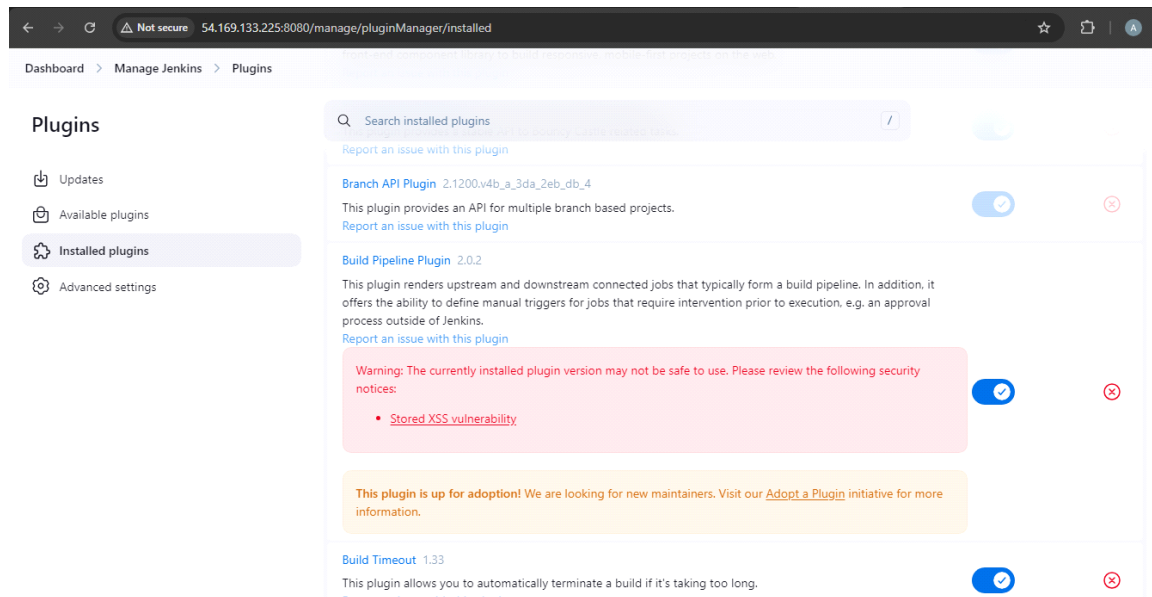




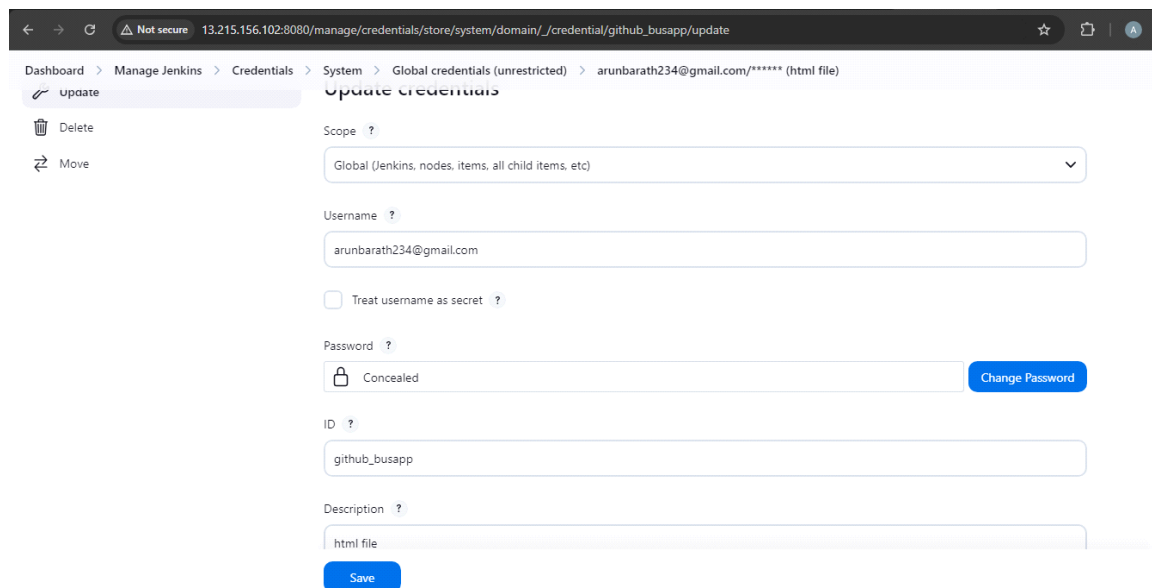
- we can see the right mark so the webhook was configured properly



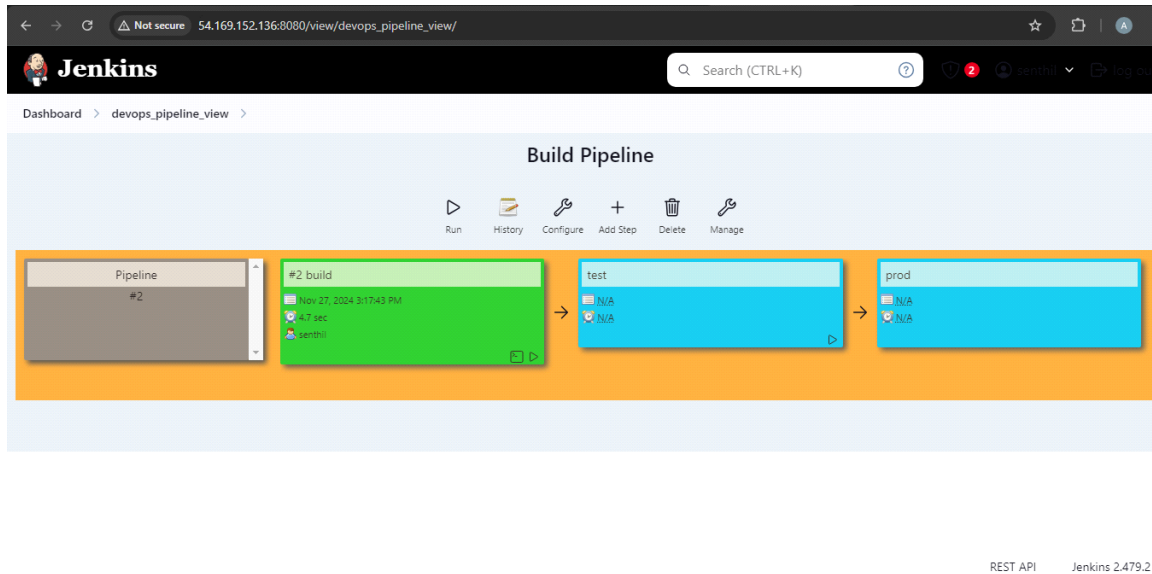
- under the manage jenkins --> plugins



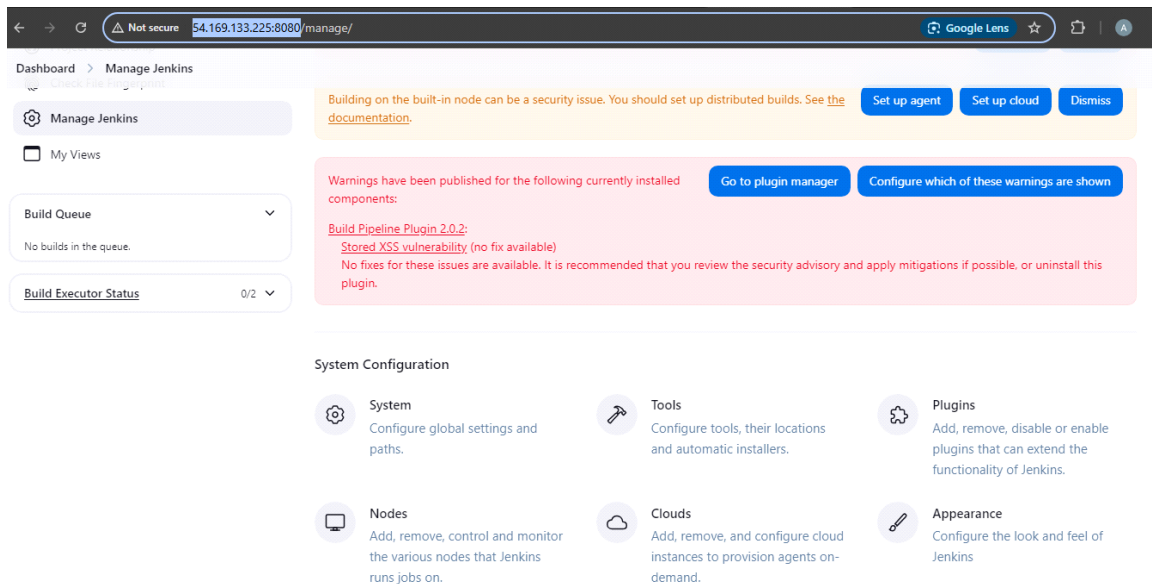
- install the plugin in --> build pipeline



- using this built view we can see the builds in graphical representation



- When the file is pushed to git hub the builds are automatically getting triggered



- under manage jenkins --> credentials

**Jenkins** Search (CTRL+K) senthil log out

Dashboard > Manage Jenkins > Credentials

### Credentials

T	P	Store	Domain	ID	Name
		System	(global)	build	ubuntu

### Stores scoped to Jenkins

P	Store	Domains
	System	(global)

Icon: S M L

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- Click on the global

← → ↻ Not secure 54.169.152.136:8080/manage/credentials/store/system/domain/\_/ **Jenkins** Search (CTRL+K) senthil log out

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

### Global credentials (unrestricted) [+ Add Credentials](#)

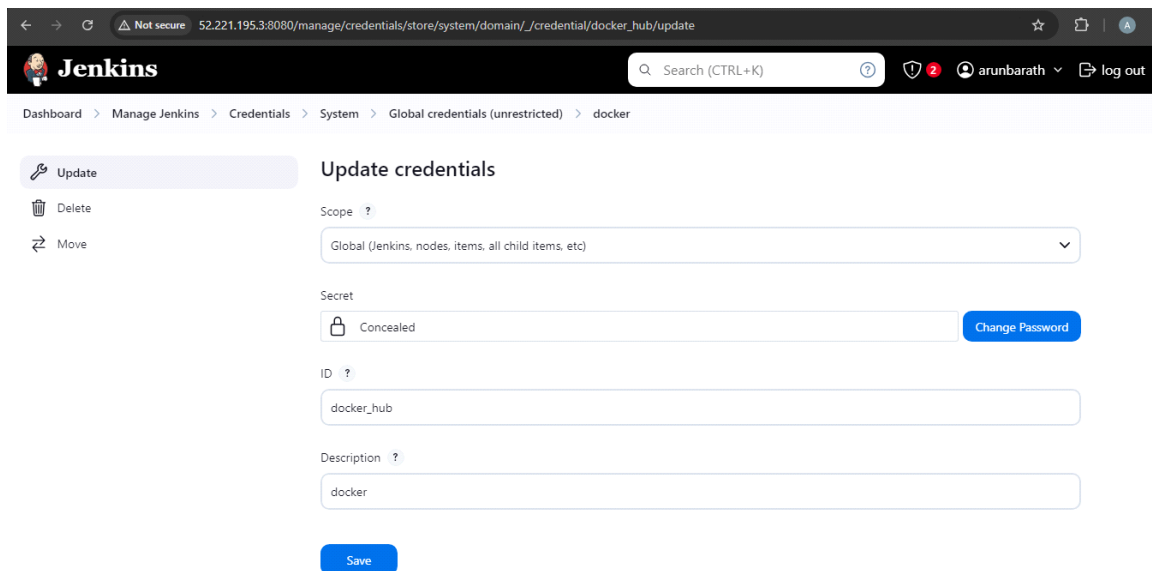
Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
build	ubuntu	SSH Username with private key	

Icon: S M L

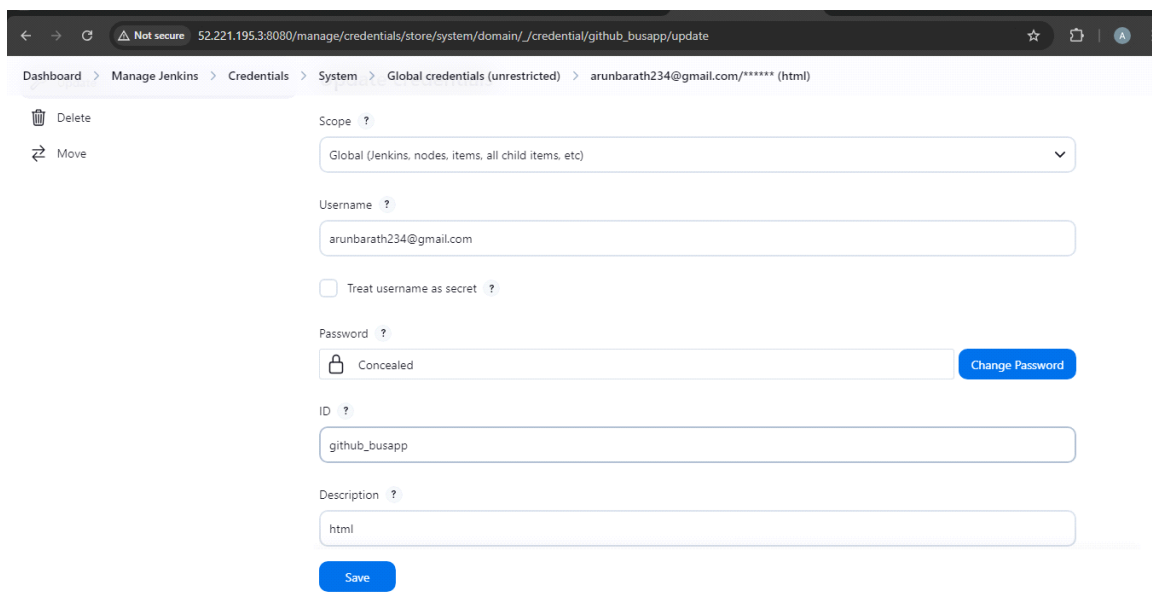
REST API Jenkins 2.479.2

- Add credentials for creating the docker credential



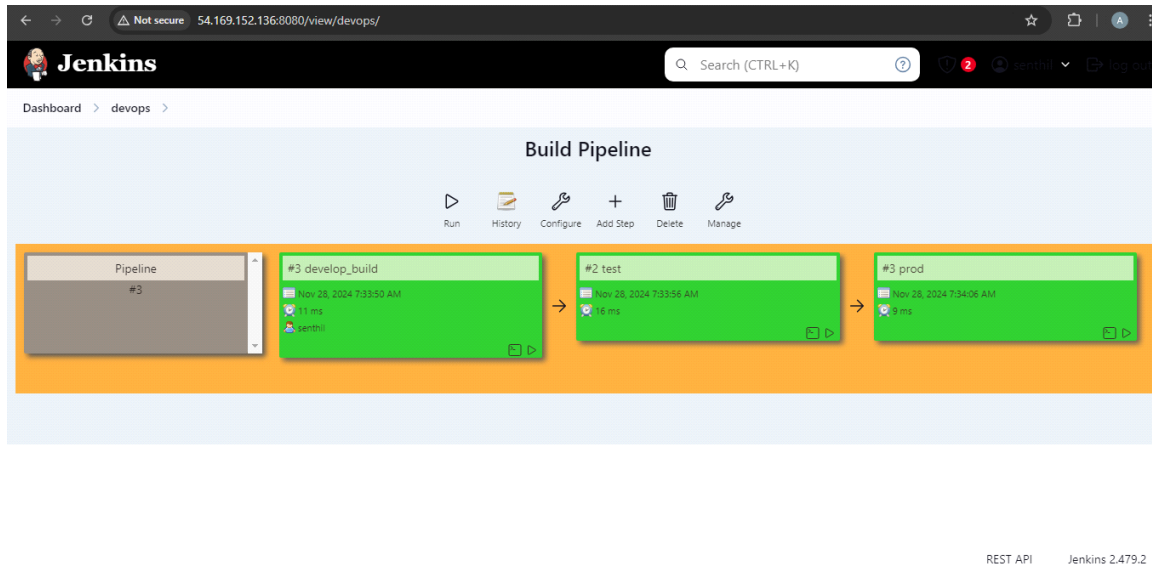
The screenshot shows the Jenkins web interface for updating a credential. The breadcrumb trail is: Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > docker. On the left, there are three actions: Update (selected), Delete, and Move. The main form is titled 'Update credentials'. It contains the following fields: 'Scope' is a dropdown menu set to 'Global (Jenkins, nodes, items, all child items, etc)'; 'Secret' is a text input with a lock icon and the word 'Concealed', with a 'Change Password' button to its right; 'ID' is a text input containing 'docker\_hub'; 'Description' is a text input containing 'docker'. At the bottom of the form is a blue 'Save' button.

- created the docker credentials

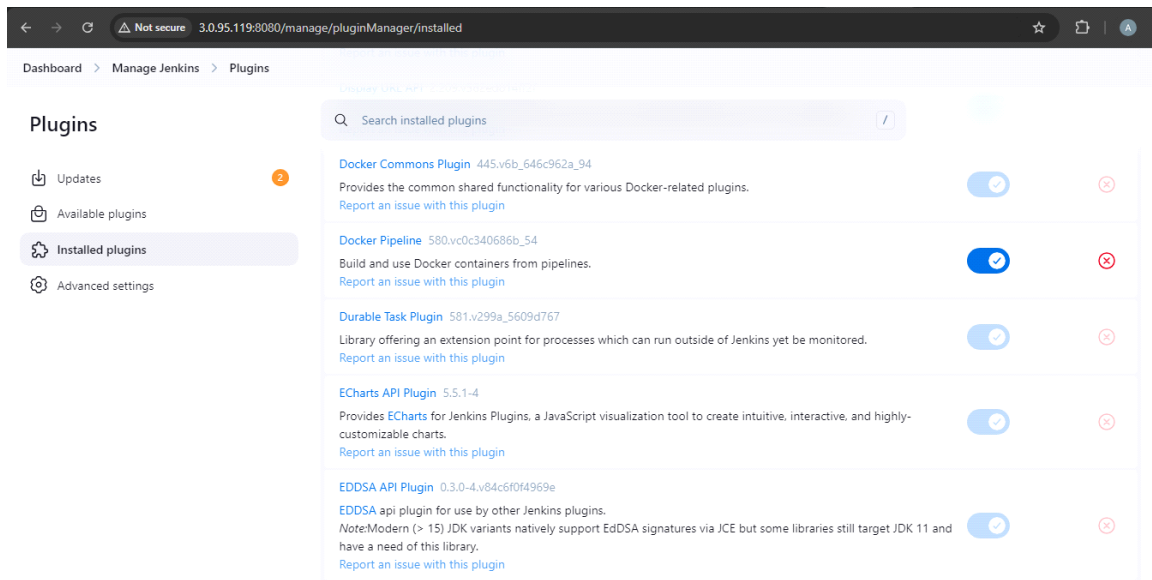


The screenshot shows the Jenkins web interface for updating a credential. The breadcrumb trail is: Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) > arunbarath234@gmail.com/\*\*\*\*\* (html). On the left, there are two actions: Delete and Move. The main form is titled 'Update credentials'. It contains the following fields: 'Scope' is a dropdown menu set to 'Global (Jenkins, nodes, items, all child items, etc)'; 'Username' is a text input containing 'arunbarath234@gmail.com'; there is an unchecked checkbox labeled 'Treat username as secret'; 'Password' is a text input with a lock icon and the word 'Concealed', with a 'Change Password' button to its right; 'ID' is a text input containing 'github\_busapp'; 'Description' is a text input containing 'html'. At the bottom of the form is a blue 'Save' button.

- created the github credentials



- we can observe the jobs are getting built automatically when we push the commit to github



- Installed plugins docker pipeline in jenkins

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-01eb79115102061d6&osUser=ubu...
AWS Search [Alt+S] Singapore Arun @ 4455-6710-9935

git commit --amend --reset-author
1 file changed, 40 insertions(+)
create mode 100644 Jenkinsfile
ubuntu@ip-172-31-29-109:~/devops$ git push origin develop
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 733 bytes | 733.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/aranbarath1999/devops-project.git
  3d30a1d..38e60e1 develop -> develop
ubuntu@ip-172-31-29-109:~/devops$ cd /var/lib/jenkins
ubuntu@ip-172-31-29-109:/var/lib/jenkins$ sudo nano
ubuntu@ip-172-31-29-109:/var/lib/jenkins$ cd
ubuntu@ip-172-31-29-109:~$ sudo usermod -s /bin/bash jenkins
ubuntu@ip-172-31-29-109:~$ sudo systemctl restart docker
ubuntu@ip-172-31-29-109:~$ sudo systemctl restart jenkins
ubuntu@ip-172-31-29-109:~$ sudo su - jenkins
jenkins@ip-172-31-29-109:~$ docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
jenkins@ip-172-31-29-109:~$ bash
jenkins@ip-172-31-29-109:~$ cd ubuntu

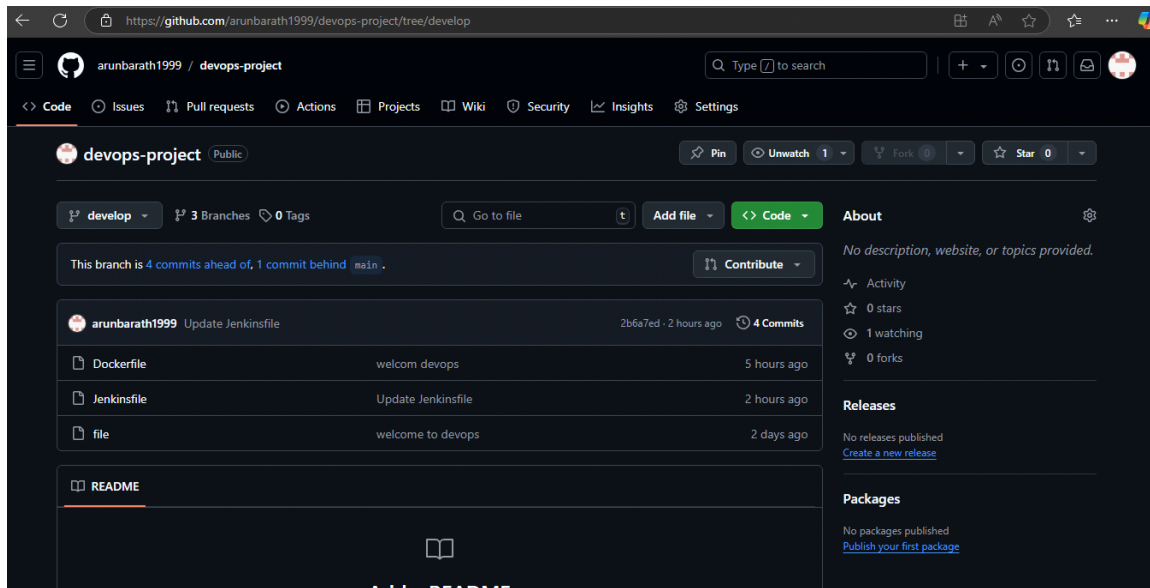
i-01eb79115102061d6 (devops_project)
PublicIPs: 3.0.95.119 PrivateIPs: 172.31.29.109
```

```
ap-southeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-southeast-1&connType=standard&instanceId=i-01eb79115102061d6&osUser=ubu...
AWS Search [Alt+S] Singapore Arun @ 4455-6710-9935

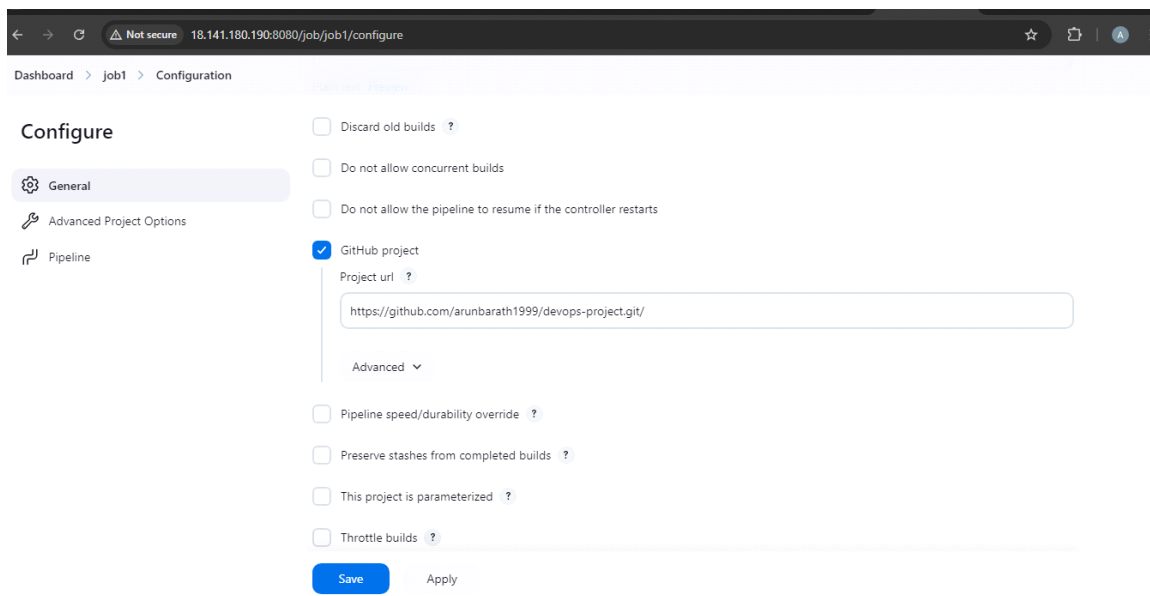
Writing objects: 100% (3/3), 486 bytes | 486.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/aranbarath1999/devops-project.git
  2d01a44..3d30a1d develop -> develop
ubuntu@ip-172-31-29-109:~/devops$ git push origin master
Everything up-to-date
ubuntu@ip-172-31-29-109:~/devops$ touch Jenkinsfile
ubuntu@ip-172-31-29-109:~/devops$ vim Jenkinsfile
ubuntu@ip-172-31-29-109:~/devops$ vim Jenkinsfile
ubuntu@ip-172-31-29-109:~/devops$ git init
Initialized existing Git repository in /home/ubuntu/devops/.git/
ubuntu@ip-172-31-29-109:~/devops$ git add .
ubuntu@ip-172-31-29-109:~/devops$ git commit "hello devops"
error: pathspec 'hello devops' did not match any file(s) known to git
ubuntu@ip-172-31-29-109:~/devops$ git branch develop
fatal: a branch named 'develop' already exists
ubuntu@ip-172-31-29-109:~/devops$ ls
Dockerfile Jenkinsfile file
ubuntu@ip-172-31-29-109:~/devops$ git branch
* develop
master
ubuntu@ip-172-31-29-109:~/devops$ git commit -m "hello devops"
develop 38e60e1| hello devops
Committer: Ubuntu <ubuntu@ip-172-31-29-109.ap-southeast-1.compute.internal>

i-01eb79115102061d6 (devops_project)
PublicIPs: 3.0.95.119 PrivateIPs: 172.31.29.109
```

- push to the Dockerfile and Jenkins in Github repository



- created the Dockerfile and Jenkins in Github repository



- created a pipeline job1 in jenkins
- under Github project past the Github repository URL



Dashboard > job1 > Configuration

### Configure

- General
- Advanced Project Options
- Pipeline

☐ Build after other projects are built ?

☐ Build periodically ?

☒ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

☐ Trigger builds remotely (e.g., from scripts) ?

#### Advanced Project Options

Advanced ▾

#### Pipeline

Definition

Pipeline script from SCM ▾

Save Apply

- select the Github hook trigger for Gitscm polling

Dashboard > job1 > Configuration

### Configure

- General
- Advanced Project Options
- Pipeline

Definition

Pipeline script from SCM ▾

SCM ?

Git ▾ ?

Repositories ?

Repository URL ?

https://github.com/arunbarath1999/devops-project.git

Credentials ?

ubuntu ▾

+ Add

Advanced ▾

Save Apply

- under pipeline select the pipeline script for SCM
- under script path give the jenkins which we created in the github repository

The screenshot shows the Jenkins 'Configure' page for a job named 'job1'. The left sidebar contains a 'Configure' section with three tabs: 'General', 'Advanced Project Options', and 'Pipeline'. The 'General' tab is active. The main content area is titled 'Branches to build' and contains the following fields:

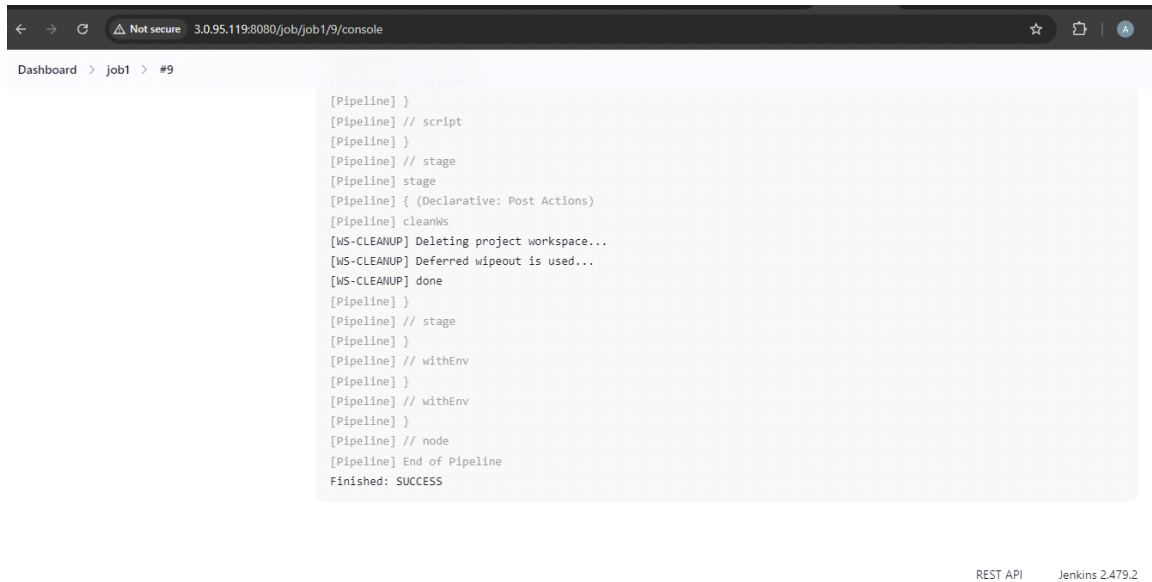
- 'Branches to build' section with a 'Branch Specifier (blank for 'any')' field containing '\*/develop'.
- 'Add Branch' button.
- 'Repository browser' dropdown menu set to '(Auto)'.
- 'Additional Behaviours' section with an 'Add' button.
- 'Script Path' field containing 'Jenkinsfile'.

At the bottom of the configuration area are two buttons: 'Save' (in blue) and 'Apply' (in grey).

- under SCM select the git
- past the Git repository URL past the repository URL
- save the job1

The screenshot shows the Jenkins job overview page for 'job1'. The left sidebar contains a 'Status' section with a list of actions: 'Changes', 'Build Now', 'Configure', 'Delete Pipeline', 'GitHub', 'Stages', 'Rename', 'Pipeline Syntax', and 'GitHub Hook Log'. The main content area is titled 'job1' and contains the following sections:

- 'Permalinks' section with a list of links: 'Last build (#10), 1 min 22 sec ago', 'Last stable build (#10), 1 min 22 sec ago', 'Last successful build (#10), 1 min 22 sec ago', 'Last failed build (#8), 45 min ago', 'Last unsuccessful build (#8), 45 min ago', and 'Last completed build (#10), 1 min 22 sec ago'.
- 'Builds' section with a 'Filter' input field and a list of builds: 'Today', '#10 3:49 PM'.

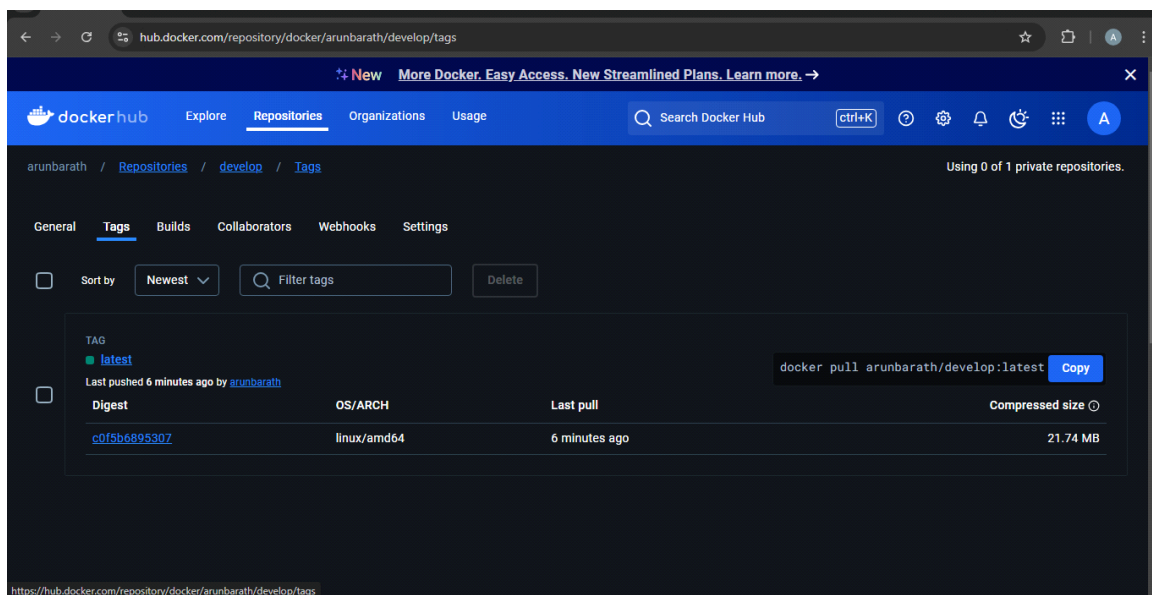


The screenshot shows a Jenkins console output for a pipeline job. The browser address bar indicates the URL is 3.0.95.119:8080/job/job1/9/console. The breadcrumb navigation shows 'Dashboard > job1 > #9'. The console output displays the following text:

```
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] cleanWs
[MS-CLEANUP] Deleting project workspace...
[MS-CLEANUP] Deferred wipeout is used...
[MS-CLEANUP] done
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

At the bottom right of the console output area, the text 'REST API Jenkins 2.479.2' is visible.

- Now built the job1
- the job1 was successful built



- Finally Dockerfile was pushed to Docker hub repository





