## **ASSIGNMENT - 1**

You have to create a simple job, you have to install apache httpd server and have to install index.html page on apache, using jenkins. and website should be up after running job.

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### Prerequisite

```
First step : - install java open jdk 11 on machine
amazon-linux-extras install java-openjdk11 -y
Second step : - install apache tomcat version 9.0
wget <a href="https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.82/bin/apache-tomcat-9.0.82.zip">https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.82/bin/apache-tomcat-9.0.82.zip</a>
unzip <a href="mailto:apache-tomcat-9.0.82.zip">apache-tomcat-9.0.82.zip</a>
```

Third step: - install jenkins (war file): - wget https://get.jenkins.io/war-stable/2.414.3/jenkins.war

chmod +R 777 apache-tomcat-9.0.82

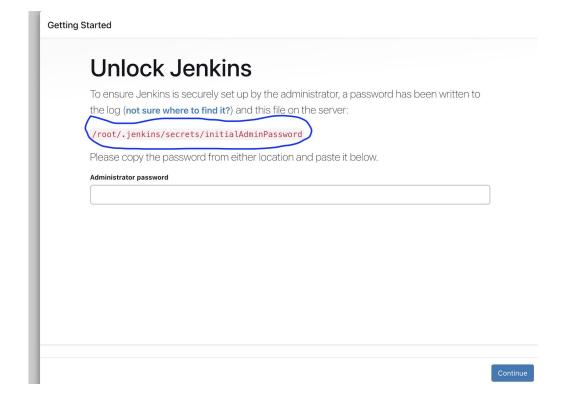
## Some steps we have to do to get jenkins admin panel

- 1. Put jenkins.war in /apache-tomcat-9.0.82/webapps
- 2. Start the apache server: -

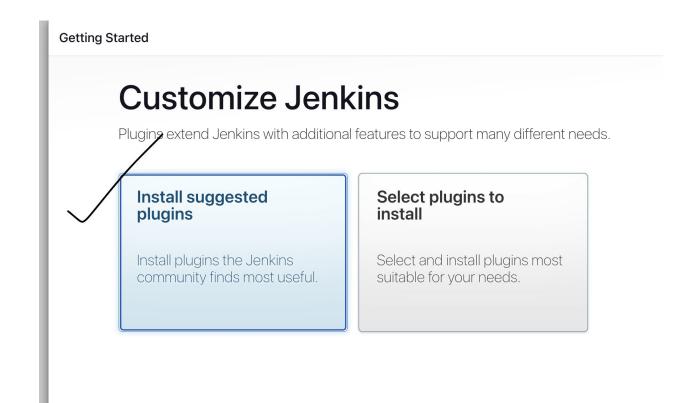
Go to /apache-tomcat-9.0.82/bin Run command ./startup.sh

Hit public\_url\_of\_instance:8080/jenkins for open jenkins admin panel

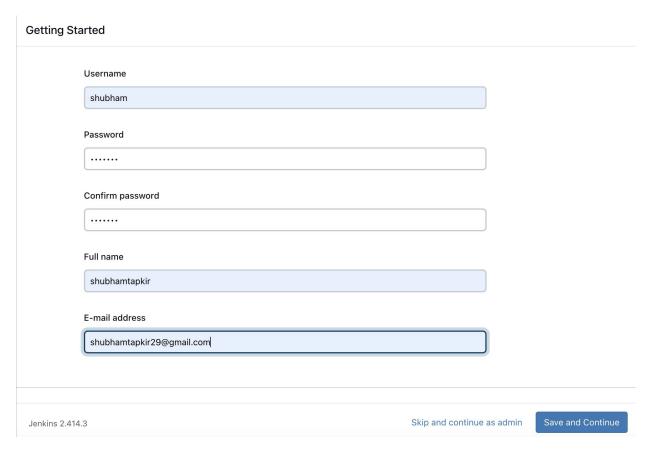
Now will u connect to jenkins admin panel



To get password, simply run command and pest password in textbox



Click on install suggested plugins



Fill the info and click on save and continue

#### **Instance Configuration**

#### Jenkins URL:

http://15.206.127.160:8080/jenkins/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.414.3 Not now Save and

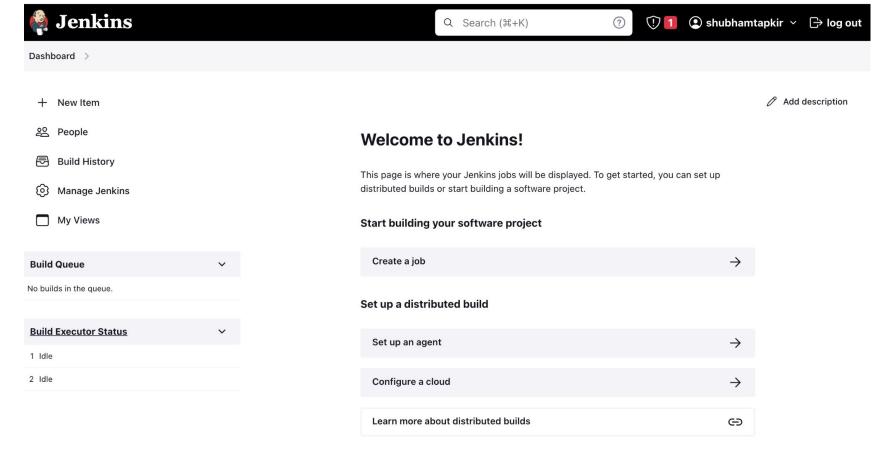
Fill the info and click on save and continue

#### **Getting Started**

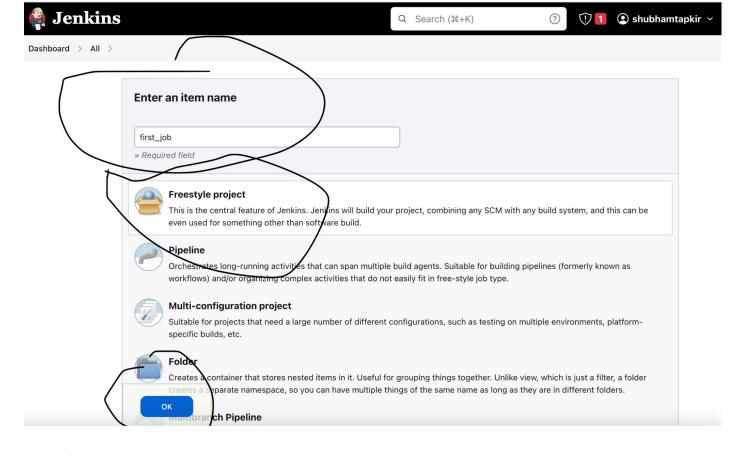
# Jenkins is ready!

Your Jenkins setup is complete.

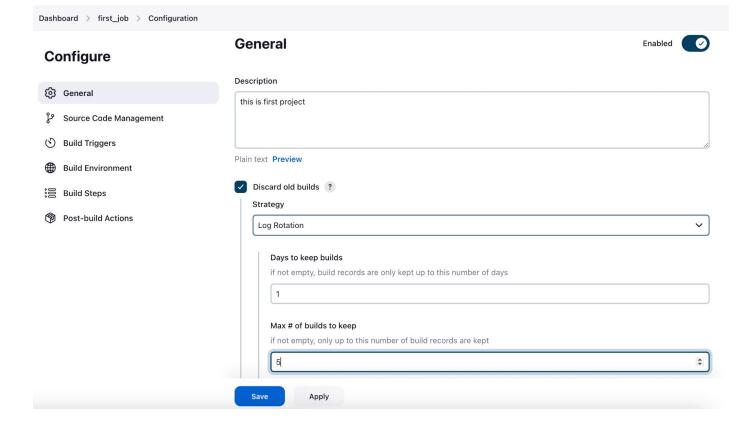
Start using Jenkins



Click on new item



Fill required fill
Click on freestyle project
Click on ok



Fill details

#### Configure

- ( General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions



#### **Post-build Actions**



sudo yum install httpd -y

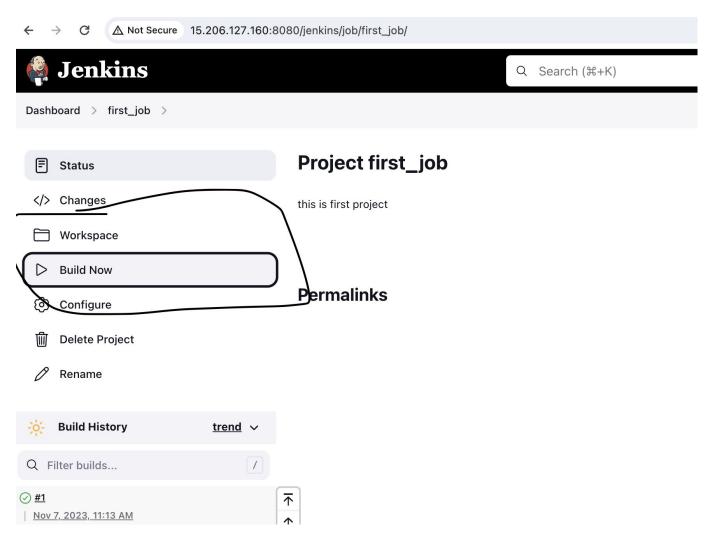
echo "<marquee><h1>Jenkins

Practical</h1></marquee>
" >> /var/www/html/index.html

chmod 777 /var/www/html/index.html

sudo service httpd start

sudo service httpd status



#### **Jenkins Practical**