# **TASK-1 FOR DEVOPS**

1) Installation for Java is required for Jenkins

#### Command

sudo apt update sudo apt install fontconfig openjdk-17-jre java -version openjdk version "17.0.13" 2024-10-15 OpenJDK Runtime Environment (build 17.0.13+11-Debian-2) OpenJDK 64-Bit Server VM (build 17.0.13+11-Debian-2, mixed mode, sharing)

#### Screeenshot:



The Java JDK has been successfully installed.

## 2) Install Jenkins

#### **Command:**

sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
echo "deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc]" \

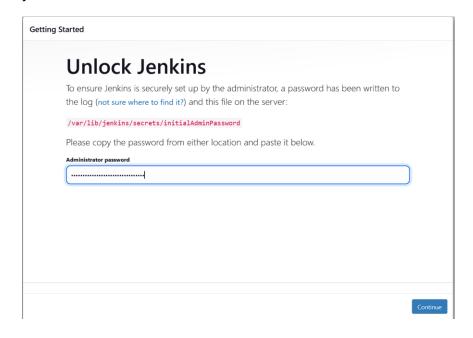
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt-get update
sudo apt-get install jenkins

#### **Screenshot:**

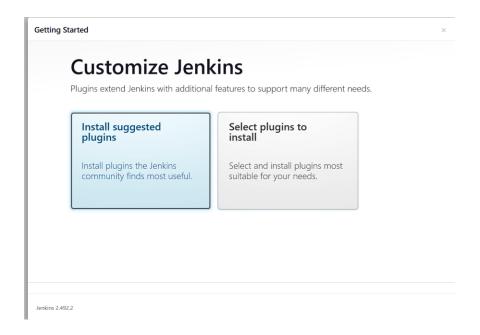


Jenkins has been successfully installed.

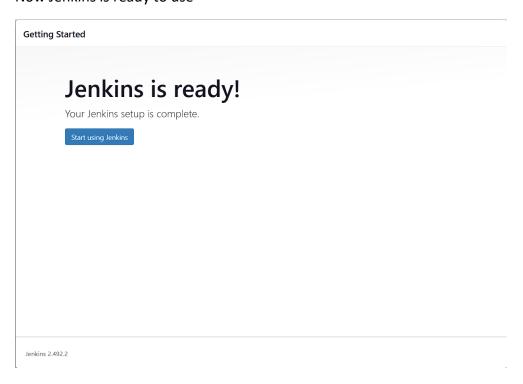
Now got to the Jenkins page in the browser by running localhost:8080 and login with your credentials.



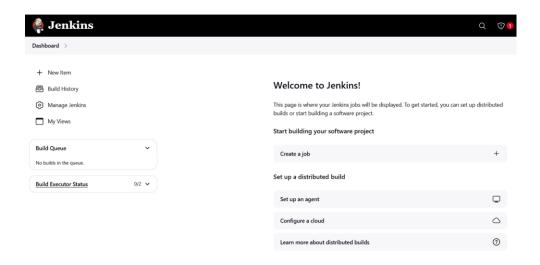
3) Install the Suggested plugins required and followed by Creating the First Admin User



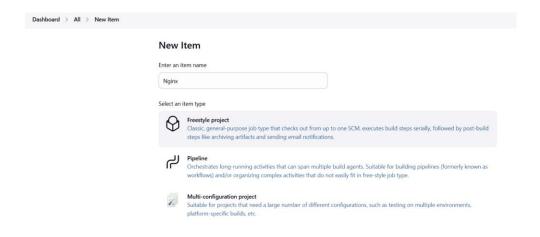
# Now Jenkins is ready to use



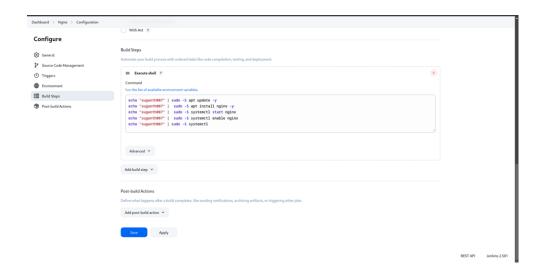
### 4) Now create a new item



Give an item name and select the item type as free-style project



5) Build the steps using the commands



6) After the successful compilation of the build, Nginx will be opened in localhost, once the Ip address is given

