Task For DevOps

1) Installation of 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)

ScreenShot:

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:

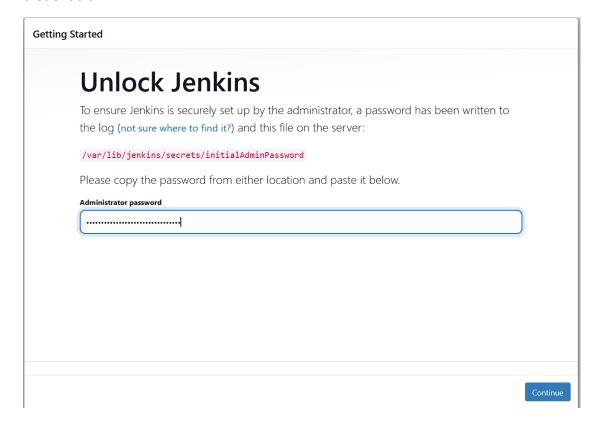
```
Try 'mget --help' for more options.

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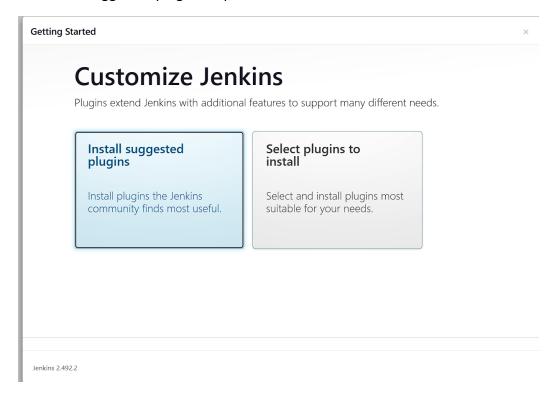
In 'mget --help' for more op
```

JenKins has been successfully installed

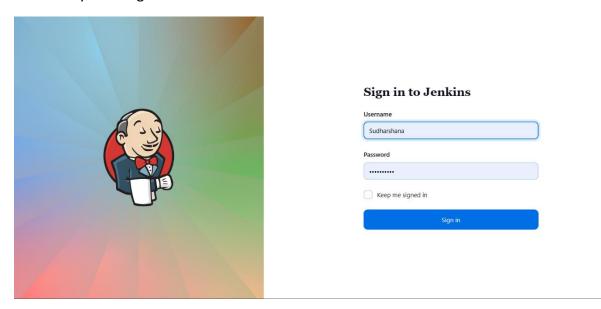
Now, Go to the Jenkins page in the Browser running in Localhost:8080 and login with your credentials



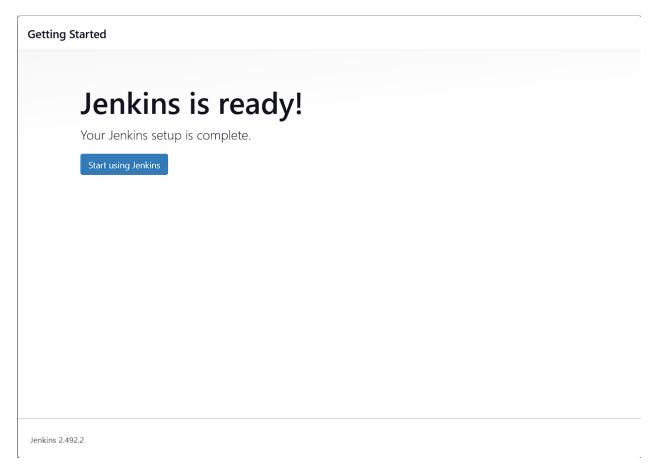
Install the Suggested plugins required



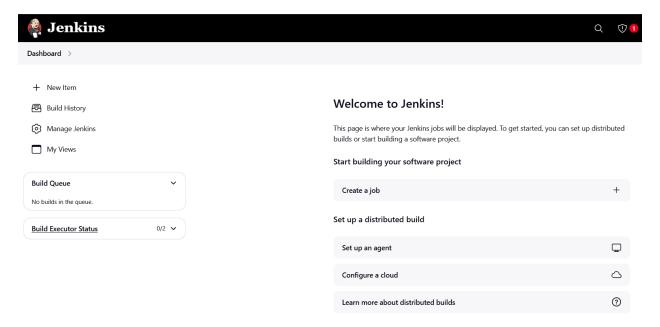
Proceed by Creating the First Admin User



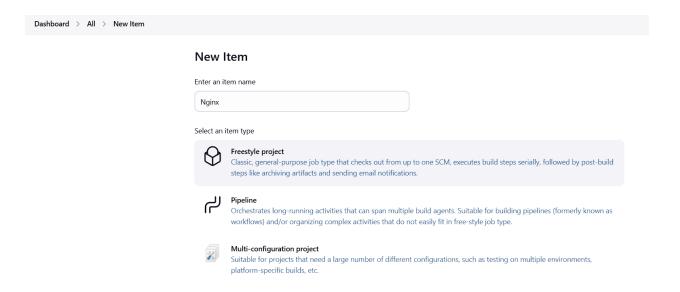
Now Jenkins is ready to use



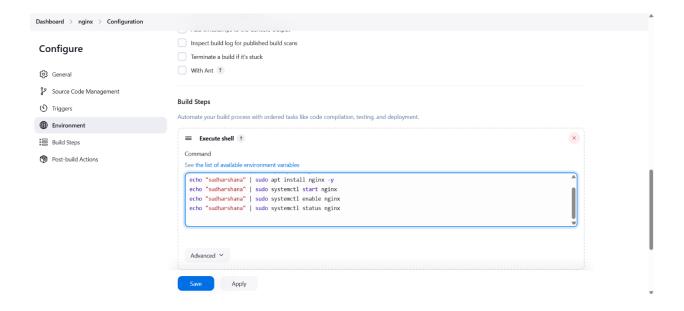
Now create a new item



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



Build the steps using the commands



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

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to $\underline{nginx.org}.$ Commercial support is available at $\underline{nginx.com}.$

Thank you for using nginx.