Install and configure git

In this page we will explain how to install and configure Git in our server

- **Vagrant** : **Centos 7 OS, Jenkins**.

step 1 : connect to the Jenkins server and install git

as a reminder, we have our jenkins server installed with vagrant which contains the following characteristics :

- **IP Address :** 192.168.56.17
- **user :** vagrant
- **password :** vagrant

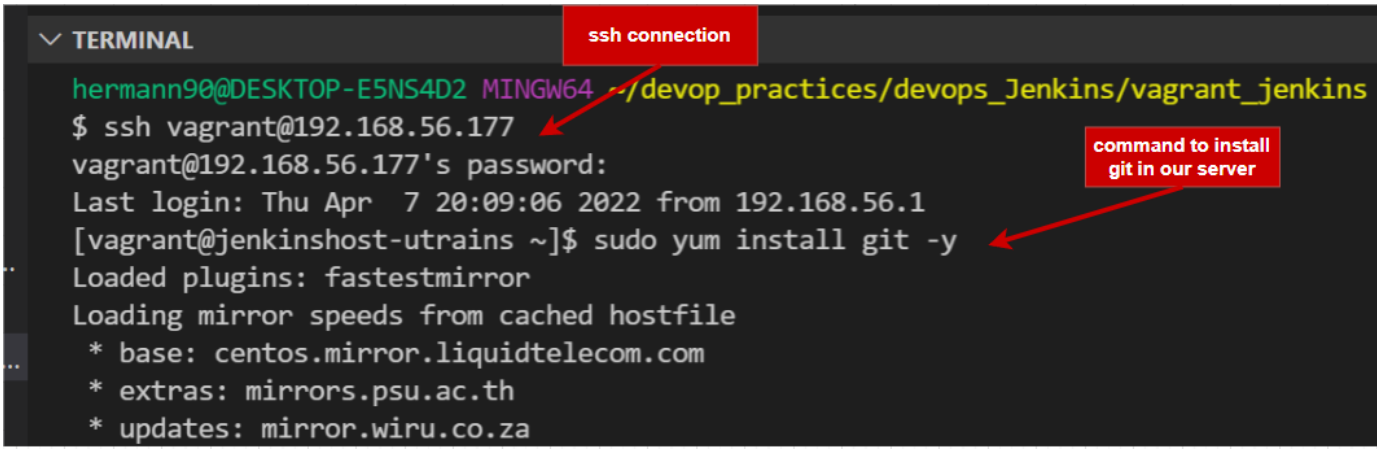
the process is as follows:

1- Open the terminal,

2- connect to the server with **ssh**

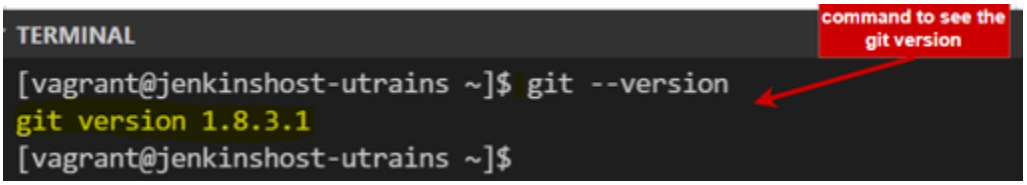
3- use the **yum** package manager to **install git**

```
ssh vagrant@192.168.56.177
sudo yum install git -y
```



- after the installation, you can see the version using the **git -- version** command : something like this

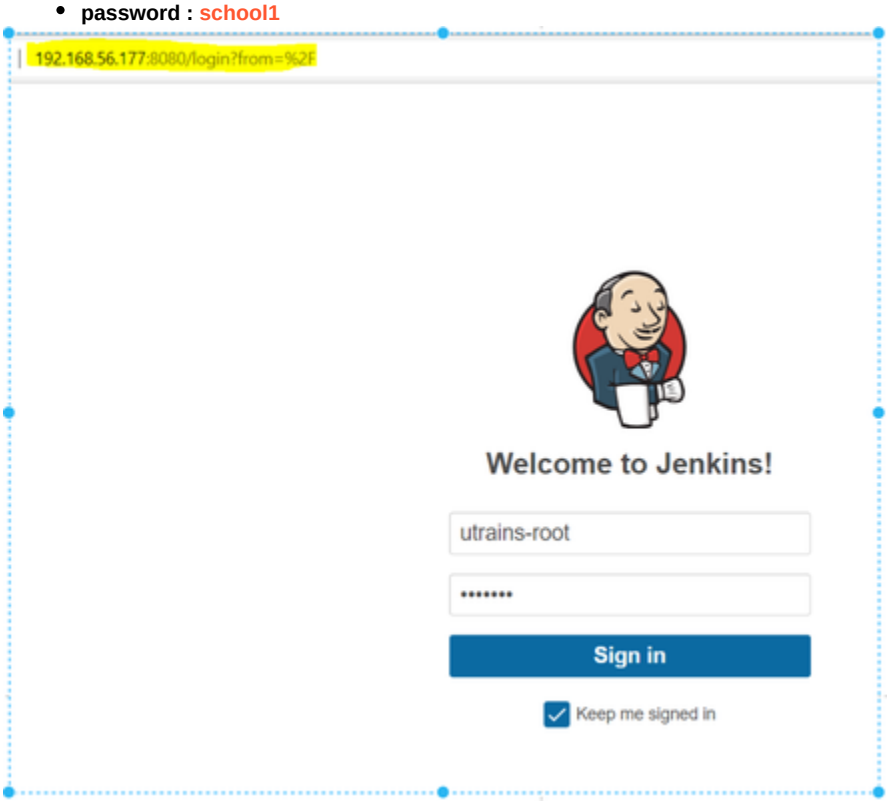
```
git --version
```



Step 2 : configure Git in the Jenkins Web Interface

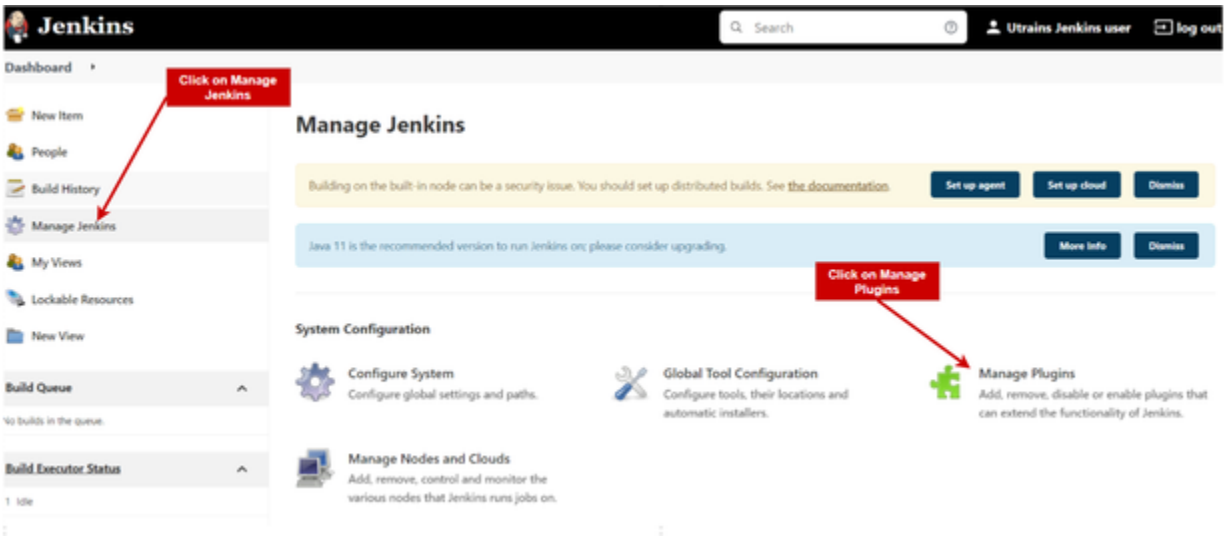
Here, we are going to configure our git installation on the web interface of Jenkins. We are going to connect on the web console.

- As a reminder, we just need to enter the **IP address** of our server followed by the port 8080 in the browser. **192.168.56.17:8080**
- **user : utrains-root**
- **password : school1**

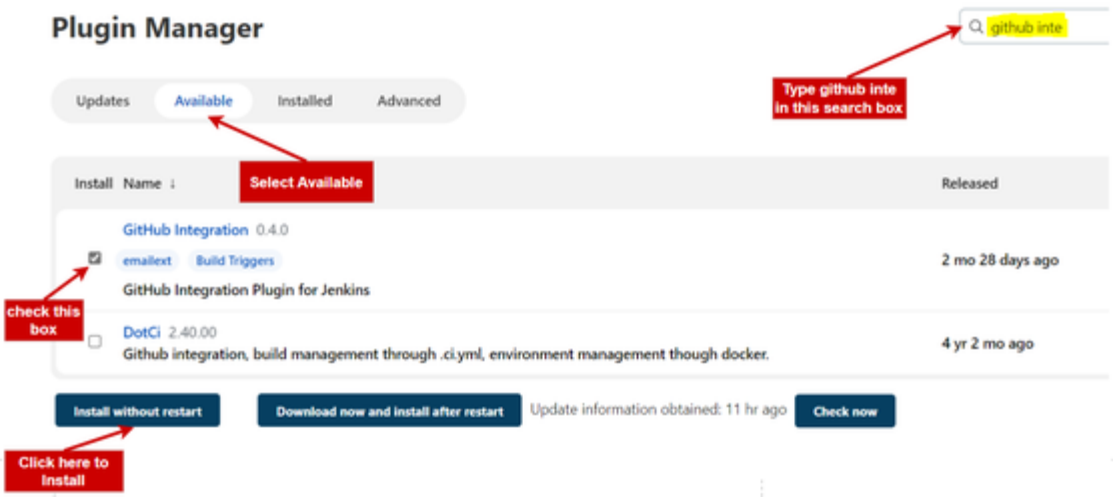


Once in the home page of Jenkins,

1- Click on **Manage jenkins** then on **Manage plugins**



- Under the Available tab, search for GitHub integration using the filter
- Check the box for GitHub



- Now, click on **jenkins**
- Go to **Manage Jenkins**
- Click on **Global tool configuration**

Set up git on Jenkins console

- Under the **part for Git**
- Remove the Default name and put **Github**

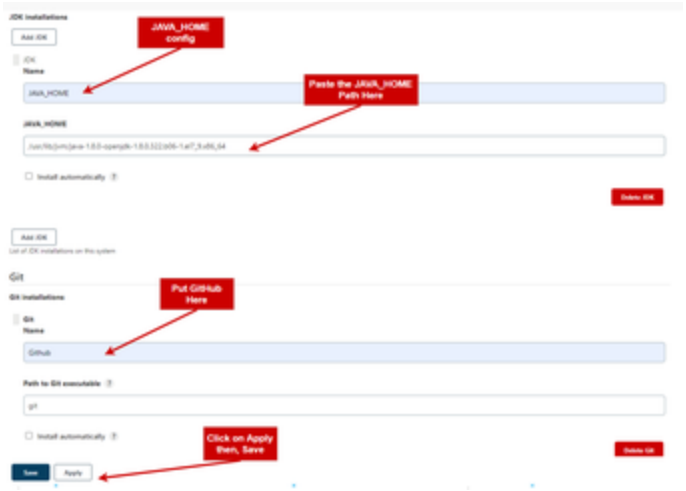
Configure java path Jenkins console

- Under the **JDK part for java**
- **Uncheck** the **Install automatically box** Enter the **JDK** name: **JAVA_HOME**
- open the server in the terminal, copy the **JAVA_HOME** path variable, then paste like the value of JDK.

```
$ echo $JAVA_HOME
```

```
[vagrant@jenkinshost-utrains ~]$ echo $JAVA_HOME
/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.322.b06-1.el7_9.x86_64
[vagrant@jenkinshost-utrains ~]$
```

- In the **JAVA_HOME** attribute, put the path to the **JAVA_HOME** variable (use the **echo $JAVA_HOME** in the terminal, **copy the path and paste it in Jenkins)**


JDK installations
Add JDK
JAVA_HOME config
JDK
Name
JAVA_HOME
Paste the JAVA_HOME Path Here
JAVA_HOME
Install automatically
Delete JDK
Add JDK
List of JDK installations on this system
Git
Git installations
Put GitHub Here
Git
Name
Github
Path to Git executable
git
Install automatically
Click on Apply then, Save
Delete Git
Save
Apply