Jenkins Installation Guide

Installation Notes

edureka!



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Installation Notes:

Jenkins:

Step 1: You should have java 7 or Java 8 installed in your system before starting the installation of Jenkins. Check if installed by using below command

java -version

```
root@edureka-VirtualBox:~# java -version
openjdk version "1.8.0_171"
OpenJDK Runtime Environment (build 1.8.0_171-8u171-b11-0ubuntu0.17.10.1-b11)
OpenJDK 64-Bit Server VM (build 25.171-b11, mixed mode)
root@edureka-VirtualBox:~#
```

Step 2: If its not showing java version installed then you have to download it for your machine. Use below commands for that.

```
sudo apt-get update && apt-get upgrade
sudo apt-get install default-jdk

Step 3: To use the Debian package repository you need to add a key. Use the command given below.

wget -q -0 - https://pkg.jenkins.io/debian/jenkins.io.key | sudo apt-key add -
```

Change the (–) command after key add in the terminal or it will cause some issue.

```
File Edit View Search Terminal Help
root@edureka-VirtualBox:~# wget -q -O - https://pkg.jenkins.io/debian/jenkins.io
.key | sudo apt-key add -
OK
root@edureka-VirtualBox:~#
```

Step 4: Then you need to add the below entry in /etc/apt/sources.list.

Use the below command to complete the required job:

```
echo 'deb https://pkg.jenkins.io/debian binary/' >> /etc/apt/sources.list
```

Please change the single quotes on terminal otherwise it will cause some issue.

```
root@edureka-VirtualBox: ~

File Edit View Search Terminal Help

root@edureka-VirtualBox:~# echo 'deb https://pkg.jenkins.io/debian binary/' >> /etc/apt/sources.list

root@edureka-VirtualBox:~# ■
```

Step 5: Now you need to update local package index and then you have to install Jenkins by using below commands:

sudo apt-get update

```
root@edureka-VirtualBox:~

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root@edureka-VirtualBox:~# apt-get update

Hit:1 http://security.ubuntu.com/ubuntu artful-security InRelease

Hit:2 http://in.archive.ubuntu.com/ubuntu artful InRelease

Hit:3 http://in.archive.ubuntu.com/ubuntu artful-updates InRelease

Hit:4 http://in.archive.ubuntu.com/ubuntu artful-backports InRelease

Ign:5 https://pkg.jenkins.io/debian binary/ InRelease

Hit:6 https://pkg.jenkins.io/debian binary/ Release

Reading package lists... Done
```

sudo apt-get install jenkins

```
root@edureka-VirtualBox: ~
File Edit View Search Terminal Help
root@edureka-VirtualBox:~# apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  jenkins
0 upgraded, 1 newly installed, 0 to remove and 10 not upgraded.
Need to get 0 B/75.5 MB of archives.
After this operation, 75.9 MB of additional disk space will be used.
Selecting previously unselected package jenkins.
(Reading database ... 131865 files and directories currently installed.)
Preparing to unpack .../archives/jenkins_2.144_all.deb ...
Unpacking jenkins (2.144) ...
Setting up jenkins (2.144) ...
Processing triggers for ureadahead (0.100.0-20) ...
Processing triggers for systemd (234-2ubuntu12.4) ...
root@edureka-VirtualBox:~#
```

Step 6: Now you need to start the Jenkins service and you check the status of Jenkins if its running or not. Use the command given below:

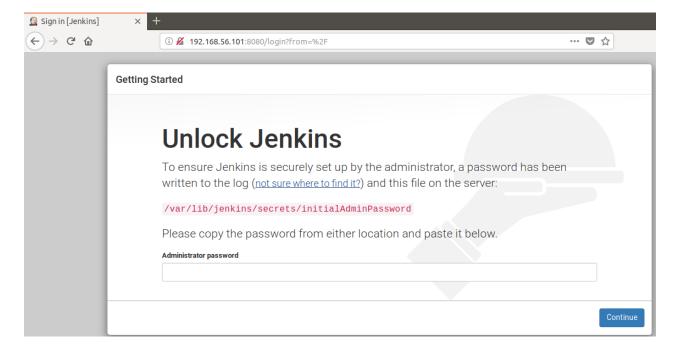
service jenkins start

```
root@edureka-VirtualBox:~# service jenkins start
root@edureka-VirtualBox:~# systemctl status jenkins

jenkins.service - LSB: Start Jenkins at boot time
Loaded: loaded (/etc/init.d/jenkins; generated; vendor preset: enabled)
Active: active (exited) since Thu 2018-10-04 11:36:32 IST; 1min 43s ago
Docs: man:systemd-sysv-generator(8)

Oct 04 11:36:31 edureka-VirtualBox systemd[1]: Starting LSB: Start Jenkins at boot time...
Oct 04 11:36:31 edureka-VirtualBox jenkins[6664]: Correct java version found
Oct 04 11:36:31 edureka-VirtualBox jenkins[6664]: * Starting Jenkins Automation Server jenkins
Oct 04 11:36:31 edureka-VirtualBox su[6697]: Successful su for jenkins by root
Oct 04 11:36:31 edureka-VirtualBox su[6697]: pam_unix(su:session): session opened for user jenkins by (uid=0)
Oct 04 11:36:32 edureka-VirtualBox systemd[1]: Started LSB: Start Jenkins at boot time.
root@edureka-VirtualBox:~#
```

Step 7: Go to your browser and go to Ipaddress:8080. In my case it's 192.168.56.101:8080. The port on which Jenkins is running is 8080.



Step 8: Now use the below command to get the password, copy it and paste it within the box shown above.

cat /var/lib/jenkins/secrets/initialAdminPassword

```
root@edureka-VirtualBox:~

File Edit View Search Terminal Help

root@edureka-VirtualBox:~# cat /var/lib/jenkins/secrets/initialAdminPassword

07e5c3266cf2482a880d671812231270

root@edureka-VirtualBox:~#
```

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

/var/lib/jenkins/secrets/initialAdminPassword

Please copy the password from either location and paste it below.

Administrator password

Continue

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Getting Started

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Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

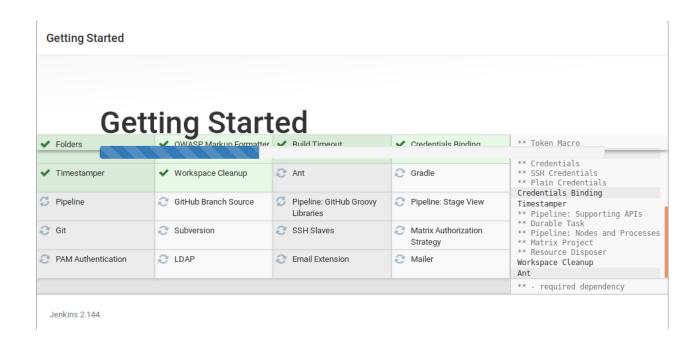
Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.

Jenkins 2.144



Now you can start working on Jenkins.

