



JENKINS INSTALLATION

DevOps Certification Training

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JENKINS INSTALLATION ON UBUNTU

Step 1: Update the system.

```
$ sudo apt-get update
```

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ sudo apt-get update  
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease  
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [8.7 kB]  
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]  
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [83.2 kB]  
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [460 kB]  
Hit:6 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic InRelease  
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [595 kB]  
Get:8 http://security.ubuntu.com/ubuntu bionic-security/main Sources [65.1 kB]  
Get:9 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [65.1 kB]  
Fetched 1588 kB in 1s (2192 kB/s)
```

Step 2: Install open jdk 8 in your system.

```
$ sudo apt install openjdk-8-jdk
```

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ sudo apt install openjdk-8-jdk  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  adwaita-icon-theme at-spi2-core ca-certificates-java dconf-gsettings-backend  
  dconf-service fontconfig fontconfig-config fonts-dejavu-core  
  fonts-dejavu-extra glib-networking glib-networking-common  
  glib-networking-services gsettings-desktop-schemas gtk-update-icon-cache
```

Step 3: Run the following command to add the repository key to the system.

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

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ wget -q -O - https://pkg.jenkins.io/debian/jenkins.io.key | sudo apt-key add -  
OK
```

Step 4: The following command will append the Debian package repository address to your server's *sources.list*

```
$ sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ >  
/etc/apt/sources.list.d/jenkins.list'
```

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'
```

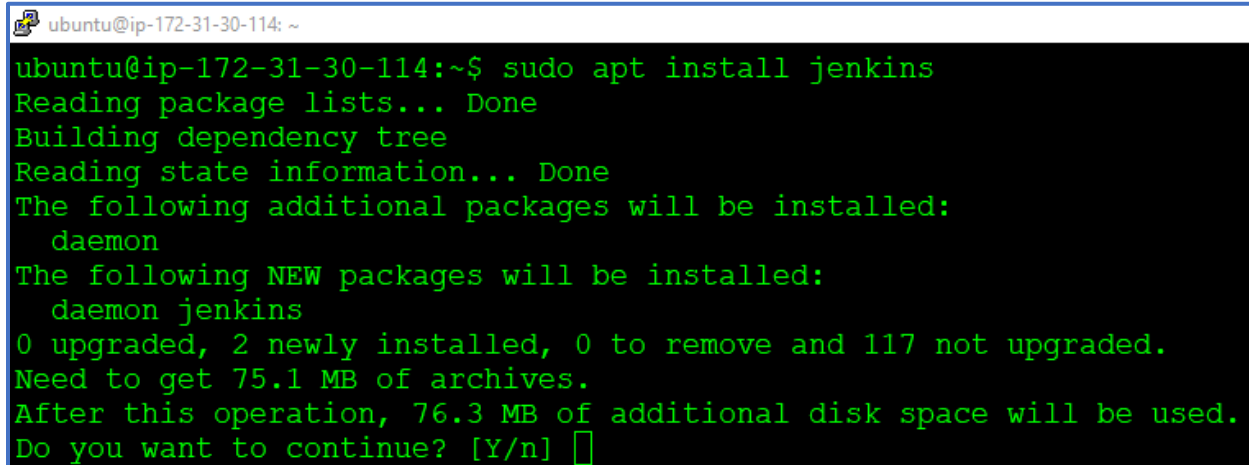
Step 5: Again, update the system.

```
$ sudo apt update
```

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ sudo apt update  
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease  
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]  
Ign:4 http://pkg.jenkins.io/debian-stable binary/ InRelease  
Get:5 http://pkg.jenkins.io/debian-stable binary/ Release [2042 B]  
Get:6 http://pkg.jenkins.io/debian-stable binary/ Release.gpg [181 B]  
Hit:7 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic InRelease  
Hit:8 http://security.ubuntu.com/ubuntu bionic-security InRelease  
Get:9 http://pkg.jenkins.io/debian-stable binary/ Packages [14.0 kB]  
Fetched 180 kB in 0s (391 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
117 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Step 6: Install Jenkins.

```
$ sudo apt install jenkins
```

A screenshot of a terminal window with a black background and green text. The terminal shows the command 'sudo apt install jenkins' being executed. The output indicates that the package lists are read, the dependency tree is built, and state information is read. It then lists 'daemon' as an additional package to be installed along with 'jenkins'. It shows that 2 new packages will be installed, requiring 75.1 MB of archives and 76.3 MB of additional disk space. The prompt 'Do you want to continue? [Y/n]' is shown with a space character entered.

```
ubuntu@ip-172-31-30-114: ~  
ubuntu@ip-172-31-30-114:~$ sudo apt install jenkins  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  daemon  
The following NEW packages will be installed:  
  daemon jenkins  
0 upgraded, 2 newly installed, 0 to remove and 117 not upgraded.  
Need to get 75.1 MB of archives.  
After this operation, 76.3 MB of additional disk space will be used.  
Do you want to continue? [Y/n] 
```

Congratulations! You have successfully setup Jenkins in your system.