# **Installing Jenkins on Ubuntu**

**Purpose:**

This lab will install the jenkins as a service.

**Steps To Follow:**

1. SSH to the Server created on cloud from any terminal (ex. Putty, Gitbash etc.)
2. Type following commands

**sudo su  
apt-get update && apt-get upgrade -y**

1. Install Java by running the following command in sequence: -

**apt-get install openjdk-8-jre-headless -y  
apt-get install openjdk-8-jdk -y**

Note:You may get message that java is already installed,you can ignore the message as it is already installed in our AWS Golden AMI used for labs.

1. Install Jenkins by running the following command in sequence: -

**BUSY\_PORT=$(sudo fuser 8080/tcp)  
if [ ! -z "$BUSY\_PORT" ]; then  
 sudo fuser -k 8080/tcp  
fi  
  
wget -q -O - https://pkg.jenkins.io/debian/jenkins-ci.org.key | sudo apt-key add -  
echo deb https://pkg.jenkins.io/debian-stable binary/ | sudo tee /etc/apt/sources.list.d/jenkins.list  
apt-get update -y  
apt-get install jenkins -y  
systemctl start jenkins**

1. Open any browser, Type **URL** < Server public ip>:8080
2. Page requesting the Initial Admin Password is displayed
3. Open gitbash window, Run command

**sudo cat /var/lib/jenkins/secrets/initialAdminPassword**

1. Copy the Key and paste in the browser where Jenkins is opened.
2. Navigate to next page in the wizard, select “install suggested plugins”
3. Incase any error comes, just refresh the page and installing plugins will resume again.
4. It will take some time and default plugins will be installed.
5. Now you will be asked to create a user, Create the first admin user. Enter the required fields and remember the username and password entered while creating.
6. As soon as User is created, Jenkins Dashboard is displayed.