**Lesson 3 Demo 1**

**Installation of Jenkins on ubuntu**



Steps to be followed:

1. Install Java JDK 8 or 11 on Ubuntu VM.
2. In order to download packages from Jenkins’s repo, first add the key to your system.
3. Then add jenkins repository details in Apt sources.list file.
4. Install Jenkins.

**Step 1: Install Java JDK 8 or 11 on Ubuntu VM.**

1. Login to Ubuntu VM and run below commands to install JDK 8 or 11:  
     
   ***apt update***

***apt install openjdk-8-jdk***

**Step 2: In order to download packages from Jenkins’s repo, first add the key to your system.**

1. Run the following command to add Jenkins repo key in your system:

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

**Step 3: Then add Jenkins repository details in Apt sources.list file**

1. Execute below commands to add Jenkins repository URL in sources.list:

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

**Step 4: Install Jenkins and proceeding with configuring Jenkins.**

1. Run the following command to start the installation for Jenkins:

***apt-get update***

***apt-get install jenkins***

1. Run the following command to verify in case Jenkins is up and running or not:

***service jenkins status***

***service jenkins restart (in case service is down you can start it up again)***