**Jenkins Introduction:**

Jenkins is a java application and is platform independent, so you can run Jenkins on any platform either linux, windows or Mac.

Jenkins is mainly used for continuous integration and continuous delivery.

Various steps to set up Jenkins on standalone server/machine are:

1. Download Jenkins: <https://jenkins.io>
2. Place the war file into any location on your system.
3. Goto command prompt(windows) or terminal(mac)

- goto folder where Jenkins.war is and execute below command

- java –jar Jenkins.war

-when the war is executing it will generate a password , copy it somewhere

4. goto browser – http://localhost:8080 ( port on which Jenkins is running, you can also give IP of your machine instead of localhost)

5. Install required plugins

6. get started with Jenkins.

**How to setup Jenkins on tomcat:**

We need to install Jenkins on tomcat because most of our applications are on server like tomcat, but there are number of servers where we can install Jenkins like jboss, glassfish etc.

Prerequisites:

* Tomcat5 or above should be there
* Java 7 or above should be available on system.

Steps:

1. Download Tomcat
2. Unzip and place tomcat folder at any location
3. Copy/place the Jenkins.war file inside tomcat/webapps folder
4. Goto cmd

-go to tomcat/bin directory where tomcat is placed on system

- make all files executable using : chmod +x \*.sh

5. Start tomcat: inside bin directory execute : ./startup.sh

To shutdown tomcat: ./shutdown.sh

6. verify if tomcat is started: browser- <http://localhost:8080> (default port on which tomcat runs)

7. verify if Jenkins is running on tomcat: <http://localhost:8080/jenkins>

\*\*\* to start Jenkins(standalone) on a different port \*\*\*

Java –jar Jenkins.war - - port=9090