Jenkins is continues integration tool .

Install Jenkins is two ways.

Jenkins are installed in tomcat or without tomcat. If we deploy Jenkins.war in tomcat webapps its will create a jankis folder and we can access Jenkins through localhost:8080/Jenkins.

We also install Jenkins with out tomcat also . to do this use command .

Java –jar Jenkins.war

Its start the jankins. If we open in any one of way another way is not worked . any one way is worked. Because if open in one mode means that port is busy so another way shows error.

 prerequisites  is java must be installed and tomcat to deploy Jenkins war.

To restart Jenkins [**http://localhost:8080/jenkins/restart**](http://localhost:8080/jenkins/restart) **or restart tomcat server.**

C:\Users\Lakshmikanth\Desktop\MAVEN\apache-maven-3.3.9

# of executors

This refers to the total number of concurrent job executions that can take place on the Jenkins machine.

Jenkins stores all its system and build job configuration details as XML files which is stored in the Jenkins home directory.

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<https://github.com/junit-team/junit4/wiki/Getting-started-%E2%80%93-Ant>

This small example shows you how to write and run a unit test with [Ant](http://ant.apache.org/). You need to have Ant installed and a text editor.

Create a new folder junit-example and a sub-folder lib. Download the current [JUnit](https://github.com/junit-team/junit/releases/download/r4.12/junit-4.12.jar) and [Hamcrest](http://search.maven.org/remotecontent?filepath=org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.jar) into the sub-folder lib.

## Build file

Create the build file build.xml in the junit-example folder.

<build.xml>

**Create the class under test**

Create a sub-folder src/main/java and a new file Calculator.java within this sub-folder. Copy the following code to this file.

<Calculator.java>

**Create a test**

Create a sub-folder src/test/java and a new file CalculatorTest.java within this sub-folder. Copy the following code to this file.

<CalculatorTest.java>

**Run the test**

Run the test from the command line.

ant test

there are also notification plugin’s available in the market. An example is the notification plugin from Tikal Knowledge which allows sending Job Status notifications in JSON and XML formats.

There are many plugins available which can be used to transfer the build files after a successful build to the respective application/web server. On example is the “Deploy to container Plugin”. To use this follow the steps given below.

Delivery pipeline plugin to to configure pipeline. **build pipeline plugin also for pipeline.**