

# JMETER - ENVIRONMENT

[http://www.tutorialspoint.com/jmeter/jmeter\\_environment.htm](http://www.tutorialspoint.com/jmeter/jmeter_environment.htm)

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JMeter is a framework for Java, so the very first requirement is to have JDK installed in your machine.

## System Requirement

<b>JDK</b>	1.6 or above.
<b>Memory</b>	No minimum requirement.
<b>Disk Space</b>	No minimum requirement.
<b>Operating System</b>	No minimum requirement.

## Step 1 – Verify Java Installation

First of all, verify whether you have Java installed in your system. Open your console and execute one of the following **java** commands based on the operating system you are working on.

OS	Task	Command
Windows	Open Command Console	c:\> java -version
Linux	Open Command Terminal	\$ java -version
Mac	Open Terminal	machine: ~ joseph\$ java -version

If you have Java installed in your system, you would get an appropriate output based on the OS you are working on.

OS	Output
Windows	java version "1.7.0_25" Java™ SE Runtime Environment build1.7.0_25 – b15 Java HotSpot™ 64-Bit Server VM build23.25 – b01, mixedmode
Linux	java version "1.7.0_25" Java™ SE Runtime Environment build1.7.0_25 – b15 Java HotSpot™ 64-Bit Server VM build23.25 – b01, mixedmode
Mac	java version "1.7.0_25" Java™ SE Runtime Environment build1.7.0_25 – b15 Java HotSpot™ 64-Bit Server VM build23.25 – b01, mixedmode

If you do not have Java installed, install the Java Software Development Kit *SDK* from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>. We are assuming Java 1.7.0\_25 as the installed version for this tutorial.

## Step 2 – Set Java Environment

Set the **JAVA\_HOME** environment variable to point to the base directory location, where Java is installed on your machine. For example –

OS	Output
Windows	Set the environment variable JAVA_HOME to C:\Program Files\Java\jdk1.7.0_25
Linux	export JAVA_HOME=/usr/local/java-current
Mac	export JAVA_HOME=/Library/Java/Home

Append Java compiler location to System Path.

OS	Output
Windows	Append the string; C:\Program Files\Java\jdk1.7.0_25\bin to the end of the system variable, Path.
Linux	export PATH=PATH:JAVA_HOME/bin/
Mac	not required

Verify Java Installation using **java -version** command as explained above.

## Step 3 – Download JMeter

Download the latest version of JMeter from [http://jmeter.apache.org/download\\_jmeter.cgi](http://jmeter.apache.org/download_jmeter.cgi). For this tutorial, we downloaded *apache-jmeter-2.9* and copied it into C:\>JMeter folder.

The directory structure should look like as shown below –

- apache-jmeter-2.9
- apache-jmeter-2.9\bin
- apache-jmeter-2.9\docs
- apache-jmeter-2.9\extras
- apache-jmeter-2.9\lib\
- apache-jmeter-2.9\lib\ext
- apache-jmeter-2.9\lib\junit
- apache-jmeter-2.9\printable\_docs

You can rename the parent directory *i. e. apache – jmeter – 2.9* if you want, but do not change any of the sub-directory names.

## Step 4 – Run JMeter

After downloading JMeter, go to the *bin* directory. In this case, it is **/home/manisha/apache-jmeter-2.9/bin**. Now click on the following –

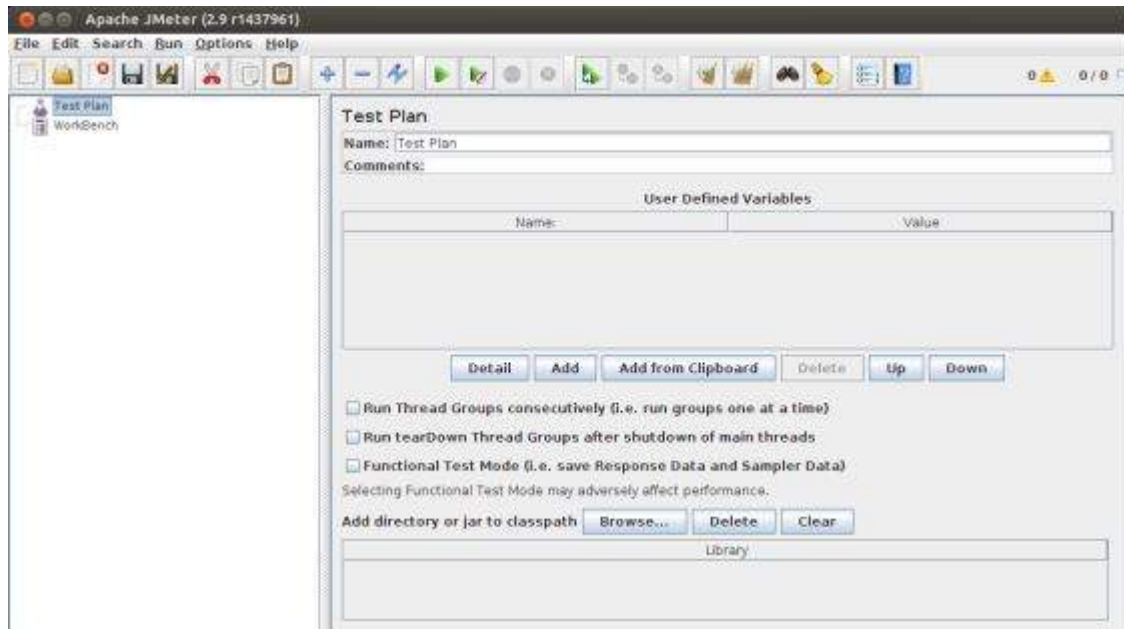
OS	Output
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Windows	jmeter.bat
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Linux	jmeter.sh
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Mac	jmeter.sh
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After a short pause, the JMeter GUI should appear, which is a Swing application, as seen in the following screenshot –



This is the main page and the default page of the tool.

Loading [MathJax]/jax/output/HTML-CSS/jax.js