

Mockito - Environment Setup

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

System Requirement

JDK	1.5 or above.
Memory	no minimum requirement.
Disk Space	no minimum requirement.
Operating System	no minimum requirement.

Step 1 – Verify Java Installation on Your Machine

Open the console and execute the following **java** command.

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

Let's verify the output for all the operating systems –

OS	Output
Windows	java version "1.6.0_21" Java™

SE Runtime Environment *build*1.6.021-b07

Java HotSpotTM

Client VM *build17.0-b17,mixedmode,sharing*

java version "1.6.0_21"

Linux

JavaTM

SE Runtime Environment *build1.6.0_21-b07*

Java HotSpotTM

Client VM *build17.0-b17,mixedmode,sharing*

java version "1.6.0_21"

Mac

JavaTM

SE Runtime Environment *build1.6.0_21-b07*

Java HotSpotTM

64-Bit Server VM *build17.0-b17,mixedmode,sharing*

If you do not have Java installed, To install the Java Software Development Kit *SDK*

[click here.](#)

We assume you have Java 1.6.0_21 installed on your system 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\jdk1.6.0_21
Linux	export JAVA_HOME=/usr/local/java-current
Mac	export JAVA_HOME=/Library/Java/Home

Append the location of the Java compiler to your System Path.

OS	Output
Windows	Append the string ;C:\Program Files\Java\jdk1.6.0_21\bin to the end of the system variable, Path.
Linux	export PATH=PATH: JAVA_HOME/bin /
Mac	not required

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

Step 3 – Download Mockito-All Archive

To download the latest version of Mockito from Maven Repository [click here](#).

Save the jar file on your C drive, let's say, C:\>Mockito.

OS	Archive name
Windows	mockito-all-2.0.2-beta.jar
Linux	mockito-all-2.0.2-beta.jar
Mac	mockito-all-2.0.2-beta.jar

Step 4 – Set Mockito Environment

Set the **Mockito_HOME** environment variable to point to the base directory location where Mockito and dependency jars are stored on your machine. The following table shows how to set the environment variable on different operating systems, assuming we've extracted mockito-all-2.0.2-beta.jar onto C:\>Mockito folder.

OS	Output
Windows	Set the environment variable Mockito_HOME to C:\Mockito
Linux	export Mockito_HOME=/usr/local/Mockito
Mac	export Mockito_HOME=/Library/Mockito

Step 5 – Set CLASSPATH Variable

Set the **CLASSPATH** environment variable to point to the location where Mockito jar is stored. The following table shows how to set the CLASSPATH variable on different operating systems.

OS	Output
Windows	Set the environment variable CLASSPATH to %CLASSPATH%;%Mockito_HOME%\mockito-all-2.0.2-beta.jar,;
Linux	export CLASSPATH=CLASSPATH: Mockito_HOME/mockito-all-2.0.2-beta.jar:.
Mac	export CLASSPATH=CLASSPATH: Mockito_HOME/mockito-all-2.0.2-beta.jar:.

Step 6 – Download JUnit Archive

Download the latest version of JUnit jar file from [Github](#). Save the folder at the location C:\>JUnit.

OS	Archive name
Windows	junit4.11.jar, hamcrest-core-1.2.1.jar
Linux	junit4.11.jar, hamcrest-core-1.2.1.jar

Mac	junit4.11.jar, hamcrest-core-1.2.1.jar
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Step 7 – Set JUnit Environment

Set the **JUNIT_HOME** environment variable to point to the base directory location where JUnit jars are stored on your machine. The following table shows how to set this environment variable on different operating systems, assuming we've stored junit4.11.jar and hamcrest-core-1.2.1.jar at C:\>JUnit.

OS	Output
Windows	Set the environment variable JUNIT_HOME to C:\JUnit
Linux	export JUNIT_HOME=/usr/local/JUNIT
Mac	export JUNIT_HOME=/Library/JUNIT

Step 8 – Set CLASSPATH Variable

Set the CLASSPATH environment variable to point to the JUNIT jar location. The following table shows how it is done on different operating systems.

OS	Output
Windows	Set the environment variable CLASSPATH to %CLASSPATH%;%JUNIT_HOME%\junit4.11.jar;%JUNIT_HOME%\hamcrest-core-1.2.1.jar,;
Linux	export CLASSPATH=CLASSPATH: JUNIT_HOME/junit4.11.jar:\$JUNIT_HOME/hamcrest-core-1.2.1.jar:.
Mac	export CLASSPATH=CLASSPATH: JUNIT_HOME/junit4.11.jar:\$JUNIT_HOME/hamcrest-core-1.2.1.jar:.