Java Installation Guide

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1   Introduction

This guide is intended to get you up and ready for Java development. This guide tells you how to download and install Java and NetBeans IDE. The guide is therefore divided into three main components.

- Installing Java

- Setting up PATH for command line tools

- Installing NetBeans

2   Installing Java

2.1   Obtaining Java

You can obtain a copy of Java from Oracle. It's FREE! If anyone is confused about which version to download I have mirrored the setup files for both 32bit and 64bit operating systems.

You can find that repository NSBM Shared Folder

2.2   Installation

Once you download the setup run it. The installation is quite straight-forward. Just like any other simple software. I suggest you to take a deep breath and click *Next* few times! There.. You are done!

Now in order to use Java in command line, you will have to setup environment PATH variable. Which we will discuss in next section.

3   Setting up Environment Variable

If you wish to use Java compiler in command line interface (namely Command Prompt in Windows based systems), you have to let the operating system know where the compiler is located. That is the main purpose of setting up PATH variable.

Also if you use NetBeans for Java development, but does not wish to use command line interface you may skip this step. However it won't hurt to keep the path set just in case!

3.1 Setting up PATH

There are few basic step for that task, and they are as follows.

- Locate *bin* folder of JDK installation.

- Locating *PATH* environmental variable of your operating system.

- Setting up *PATH* for JDK

In order to locate JDK installation, Go to this location in your machine.
`C:\ProgrameFiles\Java\jdk1.8.0_05\bin`

Alternatively you can click this link.
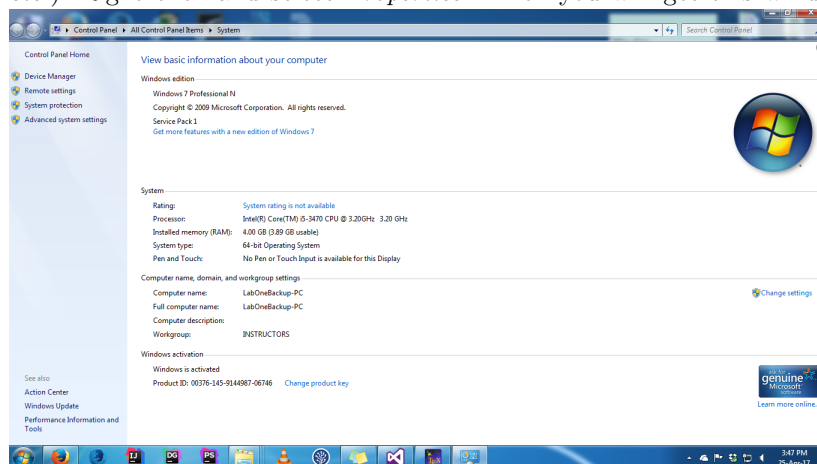`file:///C:/Program%20Files/Java/jdk1.8.0_05/bin`
PS: This machiene contains JDK version 1.8.0 and depending on the JDK version the link may not work. In that case use your common sense.
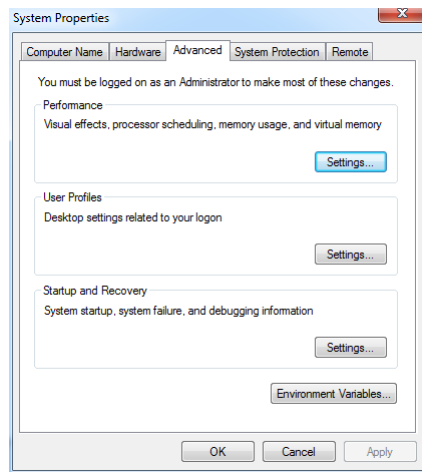Once inside copy the full path. Which would look like
`C:\ProgrameFiles\Java\jdk1.8.0_05\bin`
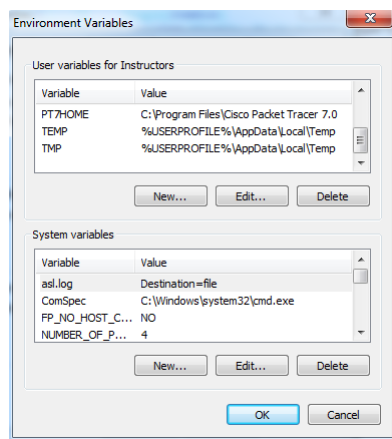Great, now you have to locate PATH variable.

- Firstly, Go to System properties. Usually by right clicking on the computer icon in your desktop. (depending on version of your Windows installation the name may look like *This PC , Computer , My Computer etc.*) Right click and select *Properties*. Then you will get this window.
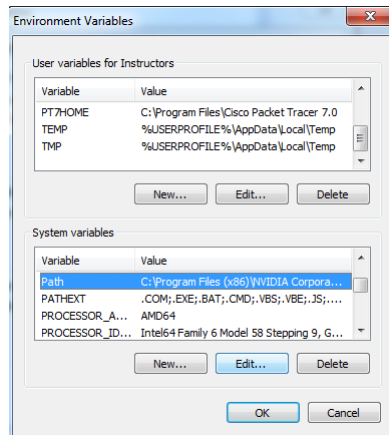

Chose *Advance System Settings* in the left menu. You are presented with this window.
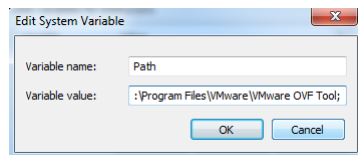
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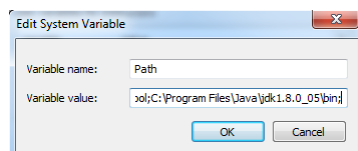Chose *Environment Variables* and you will get this window.

Now locate the *Path* system variable in the System Variables box. (One in the bottom). You will find it like this.

Once you find it click on Edit. Now you will get the following window. And here, word of advice be careful to not to delete anything! If you make a mistake click Cancel immediately!

Now carefully add a semi-colon at the end of the line WITHOUT deleting anything already present there. And after the semi-colon paste the copied path to bin folder in previous step. And once you paste that add an another semi-colon at the end of the line for little house-keeping purposes! Now your window should look like this.

Phew! Now click Ok and dismiss all windows by clicking Ok.

Now if you open command prompt and execute *java -version* It should output the JDK version installed in your system. Otherwise revisit previous step to make sure every thing is correct.

4   Installing Netbeans

Again this is a free software offered by *Oracle*. Which you can always obtain from their official site at Netbeans.org

Installation of this software is also quite simple. So just in case if anyone is wondering which version to download I have mirrored a setup file in this repository.

NSBM Shared Folder