

java.sizeOf

Introduction

With java.SizeOf you can measure the real memory size of your Java objects. [Download it here](#)

The project is a little java agent what use the package java.lang.Instrument introduced in Java 5 and is released under **GPL** license.

java.sizeOf is in early stage of development but it's quite usable and it was very useful for us to know the memory size of our HttpSession's objects. The best use of the library is inside an aspect to avoid dependencies in your code.

Quickstart

1. include sizeof.jar in the classpath of your application and use it in your code like this:

```
import net.sourceforge.sizeof
...
SizeOf.skipStaticField(true); //java.sizeOf will not compute static fields
SizeOf.skipFinalField(true); //java.sizeOf will not compute final fields
SizeOf.skipFlyweightObject(true); //java.sizeOf will not compute well-known flyweight objects
System.out.println(SizeOf.deepSizeOf(<your object>)); //this will print the object size in byte
```

You can dump object's size setting the min size to log (if you don't specify an output stream standard out is used):

```
SizeOf.setMinSizeToLog(1024); //min object size to log in bytes
SizeOf.setLogOutputStream(new FileOutputStream("<your log file>"));
```

Use the humanReadable() method to get the object size in byte, kilo or mega (if you need giga your in trouble guy!):

```
SizeOf.humanReadable(SizeOf.deepSizeOf(<your object>));
```

2. start your application with the following JVM parameter:

```
-javaagent:/path_to/sizeof.jar
```

3. have fun!

Please use [SourceForge forum](#) for reporting any bug, comment or suggestion.

java.sizeOf is a project of [InCodice](#) - Design by [Nicolas Fafchamps](#)