

Class BTraceUtils.Sys.Memory

java.lang.Object
com.sun.btrace.BTraceUtils.Sys.Memory

Enclosing class:
BTraceUtils.Sys

```
public static class BTraceUtils.Sys.Memory
extends java.lang.Object
```

Constructor Summary

Constructors
Constructor and Description
<code>Memory()</code>

Method Summary

All Methods	Static Methods	Concrete Methods
Modifier and Type		Method and Description
static long		<code>committed</code> (java.lang.management.MemoryUsage mu) Returns the amount of memory in bytes that is committed for the Java virtual machine to use.
	返回 “ JVM已使用的内存字节大小 ”	
static void		<code>dumpHeap</code> (java.lang.String fileName) Dump the snapshot of the Java heap to a file in hprof binary format.
	转储 “ Java堆的快照 ” 到一个以hprof二进制格式的文件	
static void		<code>dumpHeap</code> (java.lang.String fileName, boolean live) Dump the snapshot of the Java heap to a file in hprof binary format.
static long		<code>finalizationCount</code> () Returns the approximate number of objects for which finalization is pending.
static long		<code>freeMemory</code> () Returns the amount of free memory in the Java Virtual Machine.
	返回 “ JVM中的空闲内存大小 ”	
static void		<code>gc</code> () Runs the garbage collector. 垃圾收集器
static java.lang.String		<code>getMemoryPoolUsage</code> (java.lang.String poolFormat) Returns an overview of available memory pools It is possible to provide a text format the overview will use
	返回 “ 可用内存池 ” 的使用情况	
static long		<code>getTotalGcTime</code> () Returns the total amount of time spent in GarbageCollection
	返回 “ 垃圾收集 ” 所消耗的总时间	

up to this point since the application was started.

static java.lang.management.MemoryUsage **heapUsage**()

Returns heap memory usage 返回“堆内存”使用情况

static long

init(java.lang.management.MemoryUsage mu)

返回“JVM初始化内存大小”

Returns the amount of memory in bytes that the Java virtual machine initially requests from the operating system for memory management.

static long

返回用于“内存管理”的最大内存大小

max(java.lang.management.MemoryUsage mu)

Returns the maximum amount of memory in bytes that can be used for memory management.

static long

返回“JVM能使用的最大内存大小”

maxMemory()

Returns the maximum amount of memory that the Java virtual machine will attempt to use.

static java.lang.management.MemoryUsage **nonHeapUsage**()

返回“非堆内存”使用情况

Returns non-heap memory usage

static void

runFinalization()

Runs the finalization methods of any objects pending finalization.

static long

返回“JVM的内存总大小”

totalMemory()

Returns the total amount of memory in the Java virtual machine.

static long

返回“内存的已使用字节大小”

used(java.lang.management.MemoryUsage mu)

Returns the amount of used memory in bytes.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Memory

```
public Memory()
```

Method Detail

freeMemory

```
public static long freeMemory()
```

Returns the amount of free memory in the Java Virtual Machine. Calling the `gc` method may result in increasing the value returned by `freeMemory`.

Returns:

an approximation to the total amount of memory currently available for future