| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MemoryManagerMXBean.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/lang/management/ManagementPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/management/MemoryMXBean.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/management/MemoryManagerMXBean.html)    [**NO FRAMES**](http://docs.google.com/MemoryManagerMXBean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.lang.management**

Interface MemoryManagerMXBean

**All Known Subinterfaces:** [GarbageCollectorMXBean](http://docs.google.com/java/lang/management/GarbageCollectorMXBean.html)

public interface **MemoryManagerMXBean**

The management interface for a memory manager. A memory manager manages one or more memory pools of the Java virtual machine.

A Java virtual machine has one or more memory managers. An instance implementing this interface is an [MXBean](http://docs.google.com/ManagementFactory.html#MXBean) that can be obtained by calling the [ManagementFactory.getMemoryManagerMXBeans()](http://docs.google.com/java/lang/management/ManagementFactory.html#getMemoryManagerMXBeans()) method or from the [platform MBeanServer](http://docs.google.com/java/lang/management/ManagementFactory.html#getPlatformMBeanServer()) method.

The ObjectName for uniquely identifying the MXBean for a memory manager within an MBeanServer is:

[java.lang:type=MemoryManager](http://docs.google.com/java/lang/management/ManagementFactory.html#MEMORY_MANAGER_MXBEAN_DOMAIN_TYPE),name=*manager's name*

**Since:** 1.5 **See Also:**[MemoryMXBean](http://docs.google.com/java/lang/management/MemoryMXBean.html),  [JMX Specification.](http://docs.google.com/javax/management/package-summary.html),  [Ways to Access MXBeans](http://docs.google.com/package-summary.html#examples)

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getMemoryPoolNames**](http://docs.google.com/java/lang/management/MemoryManagerMXBean.html#getMemoryPoolNames())()            Returns the name of memory pools that this memory manager manages. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/java/lang/management/MemoryManagerMXBean.html#getName())()            Returns the name representing this memory manager. |
| boolean | [**isValid**](http://docs.google.com/java/lang/management/MemoryManagerMXBean.html#isValid())()            Tests if this memory manager is valid in the Java virtual machine. |

| **Method Detail** |
| --- |

### getName

[String](http://docs.google.com/java/lang/String.html) **getName**()

Returns the name representing this memory manager.

**Returns:**the name of this memory manager.

### isValid

boolean **isValid**()

Tests if this memory manager is valid in the Java virtual machine. A memory manager becomes invalid once the Java virtual machine removes it from the memory system.

**Returns:**true if the memory manager is valid in the Java virtual machine; false otherwise.

### getMemoryPoolNames

[String](http://docs.google.com/java/lang/String.html)[] **getMemoryPoolNames**()

Returns the name of memory pools that this memory manager manages.

**Returns:**an array of String objects, each is the name of a memory pool that this memory manager manages.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MemoryManagerMXBean.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/lang/management/ManagementPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/management/MemoryMXBean.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/management/MemoryManagerMXBean.html)    [**NO FRAMES**](http://docs.google.com/MemoryManagerMXBean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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