| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/management/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/management/modelmbean/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/loading/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.management.loading

Provides the classes which implement advanced dynamic loading.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**ClassLoaderRepository**](http://docs.google.com/javax/management/loading/ClassLoaderRepository.html) | Instances of this interface are used to keep the list of ClassLoaders registered in an MBean Server. |
| [**MLetMBean**](http://docs.google.com/javax/management/loading/MLetMBean.html) | Exposes the remote management interface of the MLet MBean. |
| [**PrivateClassLoader**](http://docs.google.com/javax/management/loading/PrivateClassLoader.html) | Marker interface indicating that a ClassLoader should not be added to the [ClassLoaderRepository](http://docs.google.com/javax/management/loading/ClassLoaderRepository.html). |

| **Class Summary** | |
| --- | --- |
| [**DefaultLoaderRepository**](http://docs.google.com/javax/management/loading/DefaultLoaderRepository.html) | **Deprecated.** *Use* [*MBeanServer.getClassLoaderRepository()*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoaderRepository())*} instead.* |
| [**MLet**](http://docs.google.com/javax/management/loading/MLet.html) | Allows you to instantiate and register one or several MBeans in the MBean server coming from a remote URL. |
| [**MLetContent**](http://docs.google.com/javax/management/loading/MLetContent.html) | This class represents the contents of the MLET tag. |
| [**PrivateMLet**](http://docs.google.com/javax/management/loading/PrivateMLet.html) | An MLet that is not added to the [ClassLoaderRepository](http://docs.google.com/javax/management/loading/ClassLoaderRepository.html). |

## Package javax.management.loading Description

Provides the classes which implement advanced dynamic loading. See the chapter *Advanced Dynamic Loading* in the [JMX Specification](#1t3h5sf).

An MBean that is of a subclass of [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) can be used as a class loader to create other MBeans via the method [MBeanServer.createMBean(String, ObjectName, ObjectName, Object[], String[])](http://docs.google.com/javax/management/MBeanServer.html#createMBean(java.lang.String,%20javax.management.ObjectName,%20javax.management.ObjectName,%20java.lang.Object%5B%5D,%20java.lang.String%5B%5D)), and to instantiate arbitrary objects via the method [MBeanServer.instantiate(String, ObjectName, Object[], String[])](http://docs.google.com/javax/management/MBeanServer.html#instantiate(java.lang.String,%20javax.management.ObjectName,%20java.lang.Object%5B%5D,%20java.lang.String%5B%5D)). The [MLet](http://docs.google.com/javax/management/loading/MLet.html) class is an example of such an MBean. It is a [URLClassLoader](http://docs.google.com/java/net/URLClassLoader.html), so the list of URLs to load classes from can be configured.

Additionally, an MLet can read a configuration file that specifies a set of MBeans to be registered in the same MBean Server as the MLet.

Every MBean Server has a *class loader repository* containing all MBeans registered in that MBean Server that are of a subclass of [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html). The class loader repository is used by the forms of the createMBean and instantiate methods in the [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) interface that do not have an explicit loader parameter. It is also used by the MLet class when it does not find a class in its own set of URLs.

If an MBean implements the interface [PrivateClassLoader](http://docs.google.com/javax/management/loading/PrivateClassLoader.html), then it is not added to the class loader repository. The class [PrivateMLet](http://docs.google.com/javax/management/loading/PrivateMLet.html) is a subclass of MLet that implements PrivateClassLoader.

**Since:** 1.5 **See Also:** [Java SE 6 Platform documentation on JMX technology](http://docs.google.com/technotes/guides/jmx/), in particular the  [JMX Specification, version 1.4(pdf).](http://docs.google.com/technotes/guides/jmx/JMX_1_4_specification.pdf)

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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[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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