| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MLetMBean.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/javax/management/loading/MLetContent.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/loading/PrivateClassLoader.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/loading/MLetMBean.html)    [**NO FRAMES**](http://docs.google.com/MLetMBean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.management.loading**

Interface MLetMBean

**All Known Implementing Classes:** [MLet](http://docs.google.com/javax/management/loading/MLet.html), [PrivateMLet](http://docs.google.com/javax/management/loading/PrivateMLet.html)

public interface **MLetMBean**

Exposes the remote management interface of the MLet MBean.

**Since:** 1.5

| **Method Summary** | |
| --- | --- |
| void | [**addURL**](http://docs.google.com/javax/management/loading/MLetMBean.html#addURL(java.lang.String))([String](http://docs.google.com/java/lang/String.html) url)            Appends the specified URL to the list of URLs to search for classes and resources. |
| void | [**addURL**](http://docs.google.com/javax/management/loading/MLetMBean.html#addURL(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Appends the specified URL to the list of URLs to search for classes and resources. |
| [String](http://docs.google.com/java/lang/String.html) | [**getLibraryDirectory**](http://docs.google.com/javax/management/loading/MLetMBean.html#getLibraryDirectory())()            Gets the current directory used by the library loader for storing native libraries before they are loaded into memory. |
| [Set](http://docs.google.com/java/util/Set.html)<[Object](http://docs.google.com/java/lang/Object.html)> | [**getMBeansFromURL**](http://docs.google.com/javax/management/loading/MLetMBean.html#getMBeansFromURL(java.lang.String))([String](http://docs.google.com/java/lang/String.html) url)            Loads a text file containing MLET tags that define the MBeans to be added to the MBean server. |
| [Set](http://docs.google.com/java/util/Set.html)<[Object](http://docs.google.com/java/lang/Object.html)> | [**getMBeansFromURL**](http://docs.google.com/javax/management/loading/MLetMBean.html#getMBeansFromURL(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Loads a text file containing MLET tags that define the MBeans to be added to the MBean server. |
| [URL](http://docs.google.com/java/net/URL.html) | [**getResource**](http://docs.google.com/javax/management/loading/MLetMBean.html#getResource(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Finds the resource with the given name. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | [**getResourceAsStream**](http://docs.google.com/javax/management/loading/MLetMBean.html#getResourceAsStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns an input stream for reading the specified resource. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[URL](http://docs.google.com/java/net/URL.html)> | [**getResources**](http://docs.google.com/javax/management/loading/MLetMBean.html#getResources(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Finds all the resources with the given name. |
| [URL](http://docs.google.com/java/net/URL.html)[] | [**getURLs**](http://docs.google.com/javax/management/loading/MLetMBean.html#getURLs())()            Returns the search path of URLs for loading classes and resources. |
| void | [**setLibraryDirectory**](http://docs.google.com/javax/management/loading/MLetMBean.html#setLibraryDirectory(java.lang.String))([String](http://docs.google.com/java/lang/String.html) libdir)            Sets the directory used by the library loader for storing native libraries before they are loaded into memory. |

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

### getMBeansFromURL

[Set](http://docs.google.com/java/util/Set.html)<[Object](http://docs.google.com/java/lang/Object.html)> **getMBeansFromURL**([String](http://docs.google.com/java/lang/String.html) url)  
 throws [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html)

Loads a text file containing MLET tags that define the MBeans to be added to the MBean server. The location of the text file is specified by a URL. The text file is read using the UTF-8 encoding. The MBeans specified in the MLET file will be instantiated and registered in the MBean server.

**Parameters:**url - The URL of the text file to be loaded as String object. **Returns:**A set containing one entry per MLET tag in the m-let text file loaded. Each entry specifies either the ObjectInstance for the created MBean, or a throwable object (that is, an error or an exception) if the MBean could not be created. **Throws:** [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html) - One of the following errors has occurred: The m-let text file does not contain an MLET tag, the m-let text file is not found, a mandatory attribute of the MLET tag is not specified, the value of url is malformed.

### getMBeansFromURL

[Set](http://docs.google.com/java/util/Set.html)<[Object](http://docs.google.com/java/lang/Object.html)> **getMBeansFromURL**([URL](http://docs.google.com/java/net/URL.html) url)  
 throws [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html)

Loads a text file containing MLET tags that define the MBeans to be added to the MBean server. The location of the text file is specified by a URL. The text file is read using the UTF-8 encoding. The MBeans specified in the MLET file will be instantiated and registered in the MBean server.

**Parameters:**url - The URL of the text file to be loaded as URL object. **Returns:**A set containing one entry per MLET tag in the m-let text file loaded. Each entry specifies either the ObjectInstance for the created MBean, or a throwable object (that is, an error or an exception) if the MBean could not be created. **Throws:** [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html) - One of the following errors has occurred: The m-let text file does not contain an MLET tag, the m-let text file is not found, a mandatory attribute of the MLET tag is not specified, the value of url is null.

### addURL

void **addURL**([URL](http://docs.google.com/java/net/URL.html) url)

Appends the specified URL to the list of URLs to search for classes and resources.

**Parameters:**url - the URL to add.

### addURL

void **addURL**([String](http://docs.google.com/java/lang/String.html) url)  
 throws [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html)

Appends the specified URL to the list of URLs to search for classes and resources.

**Parameters:**url - the URL to add. **Throws:** [ServiceNotFoundException](http://docs.google.com/javax/management/ServiceNotFoundException.html) - The specified URL is malformed.

### getURLs

[URL](http://docs.google.com/java/net/URL.html)[] **getURLs**()

Returns the search path of URLs for loading classes and resources. This includes the original list of URLs specified to the constructor, along with any URLs subsequently appended by the addURL() method.

**Returns:**the list of URLs.

### getResource

[URL](http://docs.google.com/java/net/URL.html) **getResource**([String](http://docs.google.com/java/lang/String.html) name)

Finds the resource with the given name. A resource is some data (images, audio, text, etc) that can be accessed by class code in a way that is independent of the location of the code. The name of a resource is a "/"-separated path name that identifies the resource.

**Parameters:**name - The resource name **Returns:**An URL for reading the resource, or null if the resource could not be found or the caller doesn't have adequate privileges to get the resource.

### getResourceAsStream

[InputStream](http://docs.google.com/java/io/InputStream.html) **getResourceAsStream**([String](http://docs.google.com/java/lang/String.html) name)

Returns an input stream for reading the specified resource. The search order is described in the documentation for getResource(String).

**Parameters:**name - The resource name **Returns:**An input stream for reading the resource, or null if the resource could not be found

### getResources

[Enumeration](http://docs.google.com/java/util/Enumeration.html)<[URL](http://docs.google.com/java/net/URL.html)> **getResources**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Finds all the resources with the given name. A resource is some data (images, audio, text, etc) that can be accessed by class code in a way that is independent of the location of the code. The name of a resource is a "/"-separated path name that identifies the resource.

**Parameters:**name - The resource name. **Returns:**An enumeration of URL to the resource. If no resources could be found, the enumeration will be empty. Resources that cannot be accessed will not be in the enumeration. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O exception occurs when searching for resources.

### getLibraryDirectory

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

Gets the current directory used by the library loader for storing native libraries before they are loaded into memory.

**Returns:**The current directory used by the library loader. **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - if this implementation does not support storing native libraries in this way.**See Also:**[setLibraryDirectory(java.lang.String)](http://docs.google.com/javax/management/loading/MLetMBean.html#setLibraryDirectory(java.lang.String))

### setLibraryDirectory

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

Sets the directory used by the library loader for storing native libraries before they are loaded into memory.

**Parameters:**libdir - The directory used by the library loader. **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - if this implementation does not support storing native libraries in this way.**See Also:**[getLibraryDirectory()](http://docs.google.com/javax/management/loading/MLetMBean.html#getLibraryDirectory())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MLetMBean.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/javax/management/loading/MLetContent.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/loading/PrivateClassLoader.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/loading/MLetMBean.html)    [**NO FRAMES**](http://docs.google.com/MLetMBean.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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