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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/javazoom/jl/decoder/JavaLayerHook.html)   [**NEXT CLASS**](http://docs.google.com/javazoom/jl/decoder/Manager.html) | [**FRAMES**](http://docs.google.com/index.html?javazoom/jl/decoder/JavaLayerUtils.html)    [**NO FRAMES**](http://docs.google.com/JavaLayerUtils.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javazoom.jl.decoder**

Class JavaLayerUtils

java.lang.Object  
 **javazoom.jl.decoder.JavaLayerUtils**

public class **JavaLayerUtils**extends java.lang.Object

The JavaLayerUtils class is not strictly part of the JavaLayer API. It serves to provide useful methods and system-wide hooks.

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| **Constructor Summary** | |
| [**JavaLayerUtils**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#JavaLayerUtils())() |

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| **Method Summary** | |
| static java.lang.Object | [**deserialize**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#deserialize(java.io.InputStream))(java.io.InputStream in)            Deserializes an object from the given InputStream. |
| static java.lang.Object | [**deserialize**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#deserialize(java.io.InputStream,%20java.lang.Class))(java.io.InputStream in, java.lang.Class cls)            Deserializes the object contained in the given input stream. |
| static java.lang.Object | [**deserializeArray**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#deserializeArray(java.io.InputStream,%20java.lang.Class,%20int))(java.io.InputStream in, java.lang.Class elemType, int length)            Deserializes an array from a given InputStream. |
| static java.lang.Object | [**deserializeArrayResource**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#deserializeArrayResource(java.lang.String,%20java.lang.Class,%20int))(java.lang.String name, java.lang.Class elemType, int length) |
| static [JavaLayerHook](http://docs.google.com/javazoom/jl/decoder/JavaLayerHook.html) | [**getHook**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#getHook())() |
| static java.io.InputStream | [**getResourceAsStream**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#getResourceAsStream(java.lang.String))(java.lang.String name)            Retrieves an InputStream for a named resource. |
| static void | [**serialize**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#serialize(java.io.OutputStream,%20java.lang.Object))(java.io.OutputStream out, java.lang.Object obj) |
| static void | [**setHook**](http://docs.google.com/javazoom/jl/decoder/JavaLayerUtils.html#setHook(javazoom.jl.decoder.JavaLayerHook))([JavaLayerHook](http://docs.google.com/javazoom/jl/decoder/JavaLayerHook.html) hook0)            Sets the system-wide JavaLayer hook. |

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| **Methods inherited from class java.lang.Object** |
| clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

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| **Constructor Detail** |

### JavaLayerUtils

public **JavaLayerUtils**()

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| **Method Detail** |

### deserialize

public static java.lang.Object **deserialize**(java.io.InputStream in,  
 java.lang.Class cls)  
 throws java.io.IOException

Deserializes the object contained in the given input stream.

**Parameters:**in - The input stream to deserialize an object from.cls - The expected class of the deserialized object. **Throws:** java.io.IOException

### deserialize

public static java.lang.Object **deserialize**(java.io.InputStream in)  
 throws java.io.IOException

Deserializes an object from the given InputStream. The deserialization is delegated to an ObjectInputStream instance.

**Parameters:**in - The InputStream to deserialize an object from. **Returns:**The object deserialized from the stream. **Throws:** java.io.IOException - is thrown if there was a problem reading the underlying stream, or an object could not be deserialized from the stream.**See Also:**ObjectInputStream

### deserializeArray

public static java.lang.Object **deserializeArray**(java.io.InputStream in,  
 java.lang.Class elemType,  
 int length)  
 throws java.io.IOException

Deserializes an array from a given InputStream.

**Parameters:**in - The InputStream to deserialize an object from.elemType - The class denoting the type of the array elements.length - The expected length of the array, or -1 if any length is expected. **Throws:** java.io.IOException

### deserializeArrayResource

public static java.lang.Object **deserializeArrayResource**(java.lang.String name,  
 java.lang.Class elemType,  
 int length)  
 throws java.io.IOException

**Throws:** java.io.IOException

### serialize

public static void **serialize**(java.io.OutputStream out,  
 java.lang.Object obj)  
 throws java.io.IOException

**Throws:** java.io.IOException

### setHook

public static void **setHook**([JavaLayerHook](http://docs.google.com/javazoom/jl/decoder/JavaLayerHook.html) hook0)

Sets the system-wide JavaLayer hook.

### getHook

public static [JavaLayerHook](http://docs.google.com/javazoom/jl/decoder/JavaLayerHook.html) **getHook**()

### getResourceAsStream

public static java.io.InputStream **getResourceAsStream**(java.lang.String name)

Retrieves an InputStream for a named resource.

**Parameters:**name - The name of the resource. This must be a simple name, and not a qualified package name. **Returns:**The InputStream for the named resource, or null if the resource has not been found. If a hook has been provided, its getResourceAsStream() method is called to retrieve the resource.

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
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