| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ClassDefinition.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   [**NEXT CLASS**](http://docs.google.com/java/lang/instrument/ClassFileTransformer.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/instrument/ClassDefinition.html)    [**NO FRAMES**](http://docs.google.com/ClassDefinition.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.lang.instrument**

Class ClassDefinition

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.lang.instrument.ClassDefinition**

public final class **ClassDefinition**extends [Object](http://docs.google.com/java/lang/Object.html)

This class serves as a parameter block to the Instrumentation.redefineClasses method. Serves to bind the Class that needs redefining together with the new class file bytes.

**Since:** 1.5 **See Also:**[Instrumentation.redefineClasses(java.lang.instrument.ClassDefinition...)](http://docs.google.com/java/lang/instrument/Instrumentation.html#redefineClasses(java.lang.instrument.ClassDefinition...))

| **Constructor Summary** | |
| --- | --- |
| [**ClassDefinition**](http://docs.google.com/java/lang/instrument/ClassDefinition.html#ClassDefinition(java.lang.Class,%20byte%5B%5D))([Class](http://docs.google.com/java/lang/Class.html)<?> theClass, byte[] theClassFile)            Creates a new ClassDefinition binding using the supplied class and class file bytes. |

| **Method Summary** | |
| --- | --- |
| [Class](http://docs.google.com/java/lang/Class.html)<?> | [**getDefinitionClass**](http://docs.google.com/java/lang/instrument/ClassDefinition.html#getDefinitionClass())()            Returns the class. |
| byte[] | [**getDefinitionClassFile**](http://docs.google.com/java/lang/instrument/ClassDefinition.html#getDefinitionClassFile())()            Returns the array of bytes that contains the new class file. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### ClassDefinition

public **ClassDefinition**([Class](http://docs.google.com/java/lang/Class.html)<?> theClass,  
 byte[] theClassFile)

Creates a new ClassDefinition binding using the supplied class and class file bytes. Does not copy the supplied buffer, just captures a reference to it.

**Parameters:**theClass - the Class that needs redefiningtheClassFile - the new class file bytes **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the supplied class or array is null.

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

### getDefinitionClass

public [Class](http://docs.google.com/java/lang/Class.html)<?> **getDefinitionClass**()

Returns the class.

**Returns:**the Class object referred to.

### getDefinitionClassFile

public byte[] **getDefinitionClassFile**()

Returns the array of bytes that contains the new class file.

**Returns:**the class file bytes.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ClassDefinition.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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| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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