| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JavaFileObject.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/tools/JavaFileManager.Location.html)   [**NEXT CLASS**](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) | [**FRAMES**](http://docs.google.com/index.html?javax/tools/JavaFileObject.html)    [**NO FRAMES**](http://docs.google.com/JavaFileObject.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | CONSTR | [METHOD](#2et92p0) | DETAIL: FIELD | CONSTR | [METHOD](#3dy6vkm) |

## **javax.tools**

Interface JavaFileObject

**All Superinterfaces:** [FileObject](http://docs.google.com/javax/tools/FileObject.html) **All Known Implementing Classes:** [ForwardingJavaFileObject](http://docs.google.com/javax/tools/ForwardingJavaFileObject.html), [SimpleJavaFileObject](http://docs.google.com/javax/tools/SimpleJavaFileObject.html)

public interface **JavaFileObject**extends [FileObject](http://docs.google.com/javax/tools/FileObject.html)

File abstraction for tools operating on Java™ programming language source and class files.

All methods in this interface might throw a SecurityException if a security exception occurs.

Unless explicitly allowed, all methods in this interface might throw a NullPointerException if given a null argument.

**Since:** 1.6 **See Also:**[JavaFileManager](http://docs.google.com/javax/tools/JavaFileManager.html)

| **Nested Class Summary** | |
| --- | --- |
| static class | [**JavaFileObject.Kind**](http://docs.google.com/javax/tools/JavaFileObject.Kind.html)            Kinds of JavaFileObjects. |

| **Method Summary** | |
| --- | --- |
| [Modifier](http://docs.google.com/javax/lang/model/element/Modifier.html) | [**getAccessLevel**](http://docs.google.com/javax/tools/JavaFileObject.html#getAccessLevel())()            Provides a hint about the access level of the class represented by this file object. |
| [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) | [**getKind**](http://docs.google.com/javax/tools/JavaFileObject.html#getKind())()            Gets the kind of this file object. |
| [NestingKind](http://docs.google.com/javax/lang/model/element/NestingKind.html) | [**getNestingKind**](http://docs.google.com/javax/tools/JavaFileObject.html#getNestingKind())()            Provides a hint about the nesting level of the class represented by this file object. |
| boolean | [**isNameCompatible**](http://docs.google.com/javax/tools/JavaFileObject.html#isNameCompatible(java.lang.String,%20javax.tools.JavaFileObject.Kind))([String](http://docs.google.com/java/lang/String.html) simpleName, [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind)            Checks if this file object is compatible with the specified simple name and kind. |

| **Methods inherited from interface javax.tools.**[**FileObject**](http://docs.google.com/javax/tools/FileObject.html) |
| --- |
| [delete](http://docs.google.com/javax/tools/FileObject.html#delete()), [getCharContent](http://docs.google.com/javax/tools/FileObject.html#getCharContent(boolean)), [getLastModified](http://docs.google.com/javax/tools/FileObject.html#getLastModified()), [getName](http://docs.google.com/javax/tools/FileObject.html#getName()), [openInputStream](http://docs.google.com/javax/tools/FileObject.html#openInputStream()), [openOutputStream](http://docs.google.com/javax/tools/FileObject.html#openOutputStream()), [openReader](http://docs.google.com/javax/tools/FileObject.html#openReader(boolean)), [openWriter](http://docs.google.com/javax/tools/FileObject.html#openWriter()), [toUri](http://docs.google.com/javax/tools/FileObject.html#toUri()) |

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

### getKind

[JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) **getKind**()

Gets the kind of this file object.

**Returns:**the kind

### isNameCompatible

boolean **isNameCompatible**([String](http://docs.google.com/java/lang/String.html) simpleName,  
 [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind)

Checks if this file object is compatible with the specified simple name and kind. A simple name is a single identifier (not qualified) as defined in the [Java Language Specification](http://java.sun.com/docs/books/jls/) 3rd ed., section 6.2 "Names and Identifiers".

**Parameters:**simpleName - a simple name of a classkind - a kind **Returns:**true if this file object is compatible; false otherwise

### getNestingKind

[NestingKind](http://docs.google.com/javax/lang/model/element/NestingKind.html) **getNestingKind**()

Provides a hint about the nesting level of the class represented by this file object. This method may return [NestingKind.MEMBER](http://docs.google.com/javax/lang/model/element/NestingKind.html#MEMBER) to mean [NestingKind.LOCAL](http://docs.google.com/javax/lang/model/element/NestingKind.html#LOCAL) or [NestingKind.ANONYMOUS](http://docs.google.com/javax/lang/model/element/NestingKind.html#ANONYMOUS). If the nesting level is not known or this file object does not represent a class file this method returns null.

**Returns:**the nesting kind, or null if the nesting kind is not known

### getAccessLevel

[Modifier](http://docs.google.com/javax/lang/model/element/Modifier.html) **getAccessLevel**()

Provides a hint about the access level of the class represented by this file object. If the access level is not known or if this file object does not represent a class file this method returns null.

**Returns:**the access level

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

[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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