| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ExecutableType.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/lang/model/type/ErrorType.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/type/MirroredTypeException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/type/ExecutableType.html)    [**NO FRAMES**](http://docs.google.com/ExecutableType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **javax.lang.model.type**

Interface ExecutableType

**All Superinterfaces:** [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)

public interface **ExecutableType**extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)

Represents the type of an executable. An *executable* is a method, constructor, or initializer.

The executable is represented as when viewed as a method (or constructor or initializer) of some reference type. If that reference type is parameterized, then its actual type arguments are substituted into any types returned by the methods of this interface.

**Since:** 1.6 **See Also:**[ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html)

| **Method Summary** | |
| --- | --- |
| [List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> | [**getParameterTypes**](http://docs.google.com/javax/lang/model/type/ExecutableType.html#getParameterTypes())()            Returns the types of this executable's formal parameters. |
| [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) | [**getReturnType**](http://docs.google.com/javax/lang/model/type/ExecutableType.html#getReturnType())()            Returns the return type of this executable. |
| [List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> | [**getThrownTypes**](http://docs.google.com/javax/lang/model/type/ExecutableType.html#getThrownTypes())()            Returns the exceptions and other throwables listed in this executable's throws clause. |
| [List](http://docs.google.com/java/util/List.html)<? extends [TypeVariable](http://docs.google.com/javax/lang/model/type/TypeVariable.html)> | [**getTypeVariables**](http://docs.google.com/javax/lang/model/type/ExecutableType.html#getTypeVariables())()            Returns the type variables declared by the formal type parameters of this executable. |

| **Methods inherited from interface javax.lang.model.type.**[**TypeMirror**](http://docs.google.com/javax/lang/model/type/TypeMirror.html) |
| --- |
| [accept](http://docs.google.com/javax/lang/model/type/TypeMirror.html#accept(javax.lang.model.type.TypeVisitor,%20P)), [equals](http://docs.google.com/javax/lang/model/type/TypeMirror.html#equals(java.lang.Object)), [getKind](http://docs.google.com/javax/lang/model/type/TypeMirror.html#getKind()), [hashCode](http://docs.google.com/javax/lang/model/type/TypeMirror.html#hashCode()), [toString](http://docs.google.com/javax/lang/model/type/TypeMirror.html#toString()) |

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

### getTypeVariables

[List](http://docs.google.com/java/util/List.html)<? extends [TypeVariable](http://docs.google.com/javax/lang/model/type/TypeVariable.html)> **getTypeVariables**()

Returns the type variables declared by the formal type parameters of this executable.

**Returns:**the type variables declared by the formal type parameters, or an empty list if there are none

### getReturnType

[TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) **getReturnType**()

Returns the return type of this executable. Returns a [NoType](http://docs.google.com/javax/lang/model/type/NoType.html) with kind [VOID](http://docs.google.com/javax/lang/model/type/TypeKind.html#VOID) if this executable is not a method, or is a method that does not return a value.

**Returns:**the return type of this executable

### getParameterTypes

[List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> **getParameterTypes**()

Returns the types of this executable's formal parameters.

**Returns:**the types of this executable's formal parameters, or an empty list if there are none

### getThrownTypes

[List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> **getThrownTypes**()

Returns the exceptions and other throwables listed in this executable's throws clause.

**Returns:**the exceptions and other throwables listed in this executable's throws clause, or an empty list if there are none.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ExecutableType.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/lang/model/type/ErrorType.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/type/MirroredTypeException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/type/ExecutableType.html)    [**NO FRAMES**](http://docs.google.com/ExecutableType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).