| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/reflect/Type.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/lang/reflect//class-useType.html)    [**NO FRAMES**](http://docs.google.com/Type.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.lang.reflect.Type**

| Packages that use [Type](http://docs.google.com/java/lang/reflect/Type.html) | |
| --- | --- |
| [**java.lang**](#3znysh7) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.reflect**](#2et92p0) | Provides classes and interfaces for obtaining reflective information about classes and objects. |

| Uses of [Type](http://docs.google.com/java/lang/reflect/Type.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Classes in [java.lang](http://docs.google.com/java/lang/package-summary.html) that implement [Type](http://docs.google.com/java/lang/reflect/Type.html) | |
| --- | --- |
| class | [**Class<T>**](http://docs.google.com/java/lang/Class.html)            Instances of the class Class represent classes and interfaces in a running Java application. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [Type](http://docs.google.com/java/lang/reflect/Type.html) | |
| --- | --- |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **Class.**[**getGenericInterfaces**](http://docs.google.com/java/lang/Class.html#getGenericInterfaces())()            Returns the Types representing the interfaces directly implemented by the class or interface represented by this object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **Class.**[**getGenericSuperclass**](http://docs.google.com/java/lang/Class.html#getGenericSuperclass())()            Returns the Type representing the direct superclass of the entity (class, interface, primitive type or void) represented by this Class. |

| Uses of [Type](http://docs.google.com/java/lang/reflect/Type.html) in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Type](http://docs.google.com/java/lang/reflect/Type.html) in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) | |
| --- | --- |
| interface | [**GenericArrayType**](http://docs.google.com/java/lang/reflect/GenericArrayType.html)            GenericArrayType represents an array type whose component type is either a parameterized type or a type variable. |
| interface | [**ParameterizedType**](http://docs.google.com/java/lang/reflect/ParameterizedType.html)            ParameterizedType represents a parameterized type such as Collection<String>. |
| interface | [**TypeVariable<D extends GenericDeclaration>**](http://docs.google.com/java/lang/reflect/TypeVariable.html)            TypeVariable is the common superinterface for type variables of kinds. |
| interface | [**WildcardType**](http://docs.google.com/java/lang/reflect/WildcardType.html)            WildcardType represents a wildcard type expression, such as ?, ? extends Number, or ? super Integer. |

| Methods in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) that return [Type](http://docs.google.com/java/lang/reflect/Type.html) | |
| --- | --- |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **ParameterizedType.**[**getActualTypeArguments**](http://docs.google.com/java/lang/reflect/ParameterizedType.html#getActualTypeArguments())()            Returns an array of Type objects representing the actual type arguments to this type. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **TypeVariable.**[**getBounds**](http://docs.google.com/java/lang/reflect/TypeVariable.html#getBounds())()            Returns an array of Type objects representing the upper bound(s) of this type variable. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **GenericArrayType.**[**getGenericComponentType**](http://docs.google.com/java/lang/reflect/GenericArrayType.html#getGenericComponentType())()            Returns a Type object representing the component type of this array. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **Method.**[**getGenericExceptionTypes**](http://docs.google.com/java/lang/reflect/Method.html#getGenericExceptionTypes())()            Returns an array of Type objects that represent the exceptions declared to be thrown by this Method object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **Constructor.**[**getGenericExceptionTypes**](http://docs.google.com/java/lang/reflect/Constructor.html#getGenericExceptionTypes())()            Returns an array of Type objects that represent the exceptions declared to be thrown by this Constructor object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **Method.**[**getGenericParameterTypes**](http://docs.google.com/java/lang/reflect/Method.html#getGenericParameterTypes())()            Returns an array of Type objects that represent the formal parameter types, in declaration order, of the method represented by this Method object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **Constructor.**[**getGenericParameterTypes**](http://docs.google.com/java/lang/reflect/Constructor.html#getGenericParameterTypes())()            Returns an array of Type objects that represent the formal parameter types, in declaration order, of the method represented by this Constructor object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **Method.**[**getGenericReturnType**](http://docs.google.com/java/lang/reflect/Method.html#getGenericReturnType())()            Returns a Type object that represents the formal return type of the method represented by this Method object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **Field.**[**getGenericType**](http://docs.google.com/java/lang/reflect/Field.html#getGenericType())()            Returns a Type object that represents the declared type for the field represented by this Field object. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **WildcardType.**[**getLowerBounds**](http://docs.google.com/java/lang/reflect/WildcardType.html#getLowerBounds())()            Returns an array of Type objects representing the lower bound(s) of this type variable. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **ParameterizedType.**[**getOwnerType**](http://docs.google.com/java/lang/reflect/ParameterizedType.html#getOwnerType())()            Returns a Type object representing the type that this type is a member of. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html) | **ParameterizedType.**[**getRawType**](http://docs.google.com/java/lang/reflect/ParameterizedType.html#getRawType())()            Returns the Type object representing the class or interface that declared this type. |
| [Type](http://docs.google.com/java/lang/reflect/Type.html)[] | **WildcardType.**[**getUpperBounds**](http://docs.google.com/java/lang/reflect/WildcardType.html#getUpperBounds())()            Returns an array of Type objects representing the upper bound(s) of this type variable. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/reflect/Type.html) | **Use** | [**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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[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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