com.sun.btrace.annotations

Enum Kind

java.lang.Object
    java.lang.Enum<Kind>
        com.sun.btrace.annotations.Kind

All Implemented Interfaces:

java.io.Serializable, java.lang.Comparable<Kind>

```
public enum Kind
extends java.lang.Enum<Kind>
```

@Location   "   "

This enum is specified in the Location annotation to specify probe point kind. This enum identifies various "points" of interest within a Java method's bytecode.

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Enum Constant Summary

Enum Constants

Enum Constant and Description
ARRAY_GET array element load   "   "
ARRAY_SET array element store   "   "
CALL method call   "   "
CATCH exception catch   "   "
CHECKCAST checkcast
ENTRY method entry   "   "
ERROR "return" because of no-catch   "   "
FIELD_GET getting a field value   "   "
FIELD_SET setting a field value   "   "

INSTANCEOF

instanceof check

LINE

source line number

NEW

new object created   "   "

NEWARRAY

new array created

RETURN

return from method   "   "

SYNC_ENTRY

entry into a synchronized block   "   "

SYNC_EXIT

exit from a synchronized block   "   "

THROW

throwing an exception   "   "

Method Summary

All Methods	Static Methods	Concrete Methods

Modifier and Type	Method and Description
static **Kind**	**valueOf**(java.lang.String name) Returns the enum constant of this type with the specified name.
static **Kind**[]	**values**() Returns an array containing the constants of this enum type, in the order they are declared.

Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

Enum Constant Detail

ARRAY_GET

```
public static final Kind THROW
```

throwing an exception

Method Detail

values

```
public static Kind[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (Kind c : Kind.values())
    System.out.println(c);
```

Returns:
```
an array containing the constants of this enum type, in the order they are
declared
```

valueOf

```
public static Kind valueOf(java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:
```
name - the name of the enum constant to be returned.
```

Returns:
```
the enum constant with the specified name
```

Throws:
```
java.lang.IllegalArgumentException - if this enum type has no constant
with the specified name
```

```
java.lang.NullPointerException - if the argument is null
```