

Class BTraceUtils.Reflective

java.lang.Object
com.sun.btrace.BTraceUtils.Reflective

Enclosing class:
BTraceUtils

```
public static class BTraceUtils.Reflective
extends java.lang.Object
```

Constructor Summary

Constructors

Constructor and Description

Reflective()

Method Summary

All Methods

Static Methods

Concrete Methods

Modifier and Type

Method and Description

static int	accessFlags (java.lang.Class clazz) Returns the access flags of the given Class.
static int	accessFlags (java.lang.reflect.Field field) Returns the access flags of the given Field.
static java.lang.Class	classForName (java.lang.String name) <u>Returns</u> Class object for given class name. 返回“给定类名的类对象”
static java.lang.Class	classForName (java.lang.String name, java.lang.ClassLoader cl) Returns the Class for the given class name using the given class loader.
static java.lang.Class	classOf (java.lang.Object obj) 返回“给定对象的运行时类对象” <u>Returns</u> the runtime class of the given Object.
static java.lang.ClassLoader	contextClassLoader () 返回“当前上下文的类加载器” <u>Returns</u> the current context class loader
static java.lang.Class	declaringClass (java.lang.reflect.Field field) Returns the Class object representing the class or interface that declares the field represented by the given Field object.

static java.lang.reflect.Field **field**(java.lang.Class clazz,
java.lang.String name)
Returns a Field object that reflects the specified declared field of the class or interface represented by the given Class object.

static java.lang.reflect.Field **field**(java.lang.Class clazz,
java.lang.String name,
boolean throwException)
Returns a Field object that reflects the specified declared field of the class or interface represented by the given Class object.

static java.lang.reflect.Field **field**(java.lang.String clazz,
java.lang.String name)
Returns a Field object that reflects the specified declared field of the class or interface represented by the given Class object.

static java.lang.reflect.Field **field**(java.lang.String clazz,
java.lang.String name,
boolean throwException)
Returns a Field object that reflects the specified declared field of the class or interface represented by the given Class object.

static java.lang.Object **get**(java.lang.reflect.Field field)
Gets the value of a static reference field.

static java.lang.Object **get**(java.lang.reflect.Field field,
java.lang.Object obj) 获取“给定实例引用字段”的值
Gets the value of an instance reference field.

static boolean **getBoolean**(java.lang.reflect.Field field)
Gets the value of a static boolean field.

static boolean **getBoolean**(java.lang.reflect.Field field,
java.lang.Object obj)
Gets the value of an instance boolean field.

static byte **getByte**(java.lang.reflect.Field field)
Gets the value of a static byte field.

static byte **getByte**(java.lang.reflect.Field field,
java.lang.Object obj)
Gets the value of an instance byte field.

static char **getChar**(java.lang.reflect.Field field)
Gets the value of a static char field.

static char **getChar**(java.lang.reflect.Field field,
java.lang.Object obj)
Gets the value of an instance char field.

static java.lang.Class	getComponentType (java.lang.Class clazz) returns component type of an array Class.
static double	getDouble (java.lang.reflect.Field field) Gets the value of a static double field.
static double	getDouble (java.lang.reflect.Field field, java.lang.Object obj) Gets the value of an instance double field.
static float	getFloat (java.lang.reflect.Field field) Gets the value of a static float field.
static float	getFloat (java.lang.reflect.Field field, java.lang.Object obj) Gets the value of an instance float field.
static int	getInt (java.lang.reflect.Field field) Gets the value of a static int field.
static int	getInt (java.lang.reflect.Field field, java.lang.Object obj) Gets the value of an instance int field.
static long	getLong (java.lang.reflect.Field field) Gets the value of a static long field.
static long	getLong (java.lang.reflect.Field field, java.lang.Object obj) Gets the value of an instance long field.
static short	getShort (java.lang.reflect.Field field) Gets the value of a static short field.
static short	getShort (java.lang.reflect.Field field, java.lang.Object obj) Gets the value of an instance short field.
static java.lang.Class	getSuperclass (java.lang.Class clazz) Returns the Class representing the superclass of the entity (class, interface, primitive type or void) represented by the given Class.
static boolean	isArray (java.lang.Class clazz) Determines if the given Class object represents an array class.
static boolean	isAssignableFrom (java.lang.Class<?> a, java.lang.Class<?> b) Determines if the class or interface represented by the first Class object is either the same as, or is a superclass or superinterface of, the class or interface represented by the second Class parameter.

static boolean

确定“给定的对象”是否是“给定的类型对象”的一个实例

`isInstance(java.lang.Class clazz, java.lang.Object obj)`

Determines if the specified Object is assignment-compatible with the object represented by the specified Class.

static boolean

`isInterface(java.lang.Class clazz)`

Determines if the specified Class object represents an interface type.

static boolean

`isPrimitive(java.lang.Class clazz)`

Returns whether the given Class represent primitive type or not.

static java.lang.String

`name(java.lang.Class clazz)` 返回“类型对象的名称”
Returns the name of the given Class object.

static java.lang.String

`name(java.lang.reflect.Field field)`
Returns the name of the Field object. 返回“字段对象的名称”

static void

以“名称-值”对形式打印“给定对象”的所有实例字段

`printFields(java.lang.Object obj)`

Print all instance fields of an object as name-value pairs.

反射实现

static void

`printFields(java.lang.Object obj, boolean classNamePrefix)`

Print all instance fields of an object as name-value pairs.

static void

`printStaticFields(java.lang.Class clazz)`

Print all static fields of the class as name-value pairs.

static void

`printStaticFields(java.lang.Class clazz, boolean classNamePrefix)`

Print all static fields of the class as name-value pairs.

static java.lang.Class

`type(java.lang.reflect.Field field)`

Returns the type of the Field object.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Reflective

`public Reflective()`