Class sun.tools.debug.RemoteClass

```
java.lang.Object
   |
   +----sun.tools.debug.RemoteValue
           |
           +----sun.tools.debug.RemoteObject
                   |
                   +----sun.tools.debug.RemoteClass
```

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public class **RemoteClass**
extends RemoteObject

The RemoteClass class allows access to a class in a remote Java interpreter.

See Also:
RemoteDebugger
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Methods

- **getName**

```
public String getName() throws Exception
```

Returns the name of the class.

- **typeName**

```
public String typeName() throws Exception
```

Returns the name of the class as its type.
Overrides:
typeName in class RemoteObject

o **isInterface**

```
public boolean isInterface() throws Exception
```

Is this RemoteClass an interface?

o **getSuperclass**

```
public RemoteClass getSuperclass() throws Exception
```

Return the superclass for this class.

o **getClassLoader**

```
public RemoteObject getClassLoader() throws Exception
```

Return the classloader for this class.

o **getInterfaces**

```
public RemoteClass[] getInterfaces() throws Exception
```

Return the interfaces for this class.

o **getFields**

```
public RemoteField[] getFields() throws Exception
```

Return all the static fields for this class.
Overrides:
getFields in class RemoteObject

o **getStaticFields**

```
public RemoteField[] getStaticFields() throws Exception
```

Return all the static fields for this class.

o **getInstanceFields**

```
public RemoteField[] getInstanceFields() throws Exception
```

Return all the instance fields for this class. Note: because this is a RemoteClass method, only the name and type methods will be valid, not the data.

o **getField**

```
public RemoteField getField(int n) throws Exception
```

Return the static field, specified by index.
Throws: ArrayIndexOutOfBoundsException
when the index is greater than the number of instance variables
Overrides:
getField in class RemoteObject

o **getField**

```
public RemoteField getField(String name) throws Exception
```

Return the static field, specified by name.
Overrides:
getField in class RemoteObject

o **getInstanceField**

```
public RemoteField getInstanceField(int n) throws Exception
```

Return the instance field, specified by its index. Note: because this is a RemoteClass method, only the name and type information is valid, not the data.
Throws: ArrayIndexOutOfBoundsException
when the index is greater than the number of instance variables

o **getFieldValue**

```
public RemoteValue getFieldValue(int n) throws Exception
```

Return the value of a static field, specified by its index
Overrides:
getFieldValue in class RemoteObject

o **getFieldValue**

```
public RemoteValue getFieldValue(String name) throws Exception
```

Return the value of a static field, specified by name.
Overrides:
getFieldValue in class RemoteObject

o **getMethod**

```
public RemoteField getMethod(String name) throws Exception
```

Return the method, specified by name.

o **getMethods**

```
public RemoteField[] getMethods() throws Exception
```

Return the class's methods.

o **getMethodNames**

```
public String[] getMethodNames() throws Exception
```

Return the names of all methods supported by this class.

o **setBreakpointLine**

```
public String setBreakpointLine(int lineno) throws Exception
```

Set a breakpoint at a specified source line number in a class.
Parameters:
lineno – the line number where the breakpoint is set
Returns:
an empty string if successful, otherwise a description of the error.

o **setBreakpointMethod**

```
public String setBreakpointMethod(RemoteField method) throws Exception
```

Set a breakpoint at the first line of a class method.
Parameters:
method – the method where the breakpoint is set
Returns:
an empty string if successful, otherwise a description of the error.

o **clearBreakpoint**

```
public String clearBreakpoint(int pc) throws Exception
```

Clear a breakpoint at a specific address in a class.
Parameters:
pc – the address of the breakpoint to be cleared
Returns:
an empty string if successful, otherwise a description of the error.

o **clearBreakpointLine**

```
public String clearBreakpointLine(int lineno) throws Exception
```

Clear a breakpoint at a specified line.
Parameters:
lineno – the line number of the breakpoint to be cleared

Returns:
an empty string if successful, otherwise a description of the error.

o **clearBreakpointMethod**

```
public String clearBreakpointMethod(RemoteField method) throws Exception
```

Clear a breakpoint at the start of a specified method.
Parameters:
method – the method of the breakpoint to be cleared
Returns:
an empty string if successful, otherwise a description of the error.

o **catchExceptions**

```
public void catchExceptions() throws Exception
```

Enter the debugger when an instance of this class is thrown.
Throws: ClassCastException
when this class isn't an exception class

o **ignoreExceptions**

```
public void ignoreExceptions() throws Exception
```

Don't enter the debugger when an instance of this class is thrown.
Throws: ClassCastException
when this class isn't an exception class

o **description**

```
public String description()
```

Return a (somewhat verbose) description.
Overrides:
description in class RemoteObject

o **toString**

```
public String toString()
```

Return a (somewhat verbose) description.
Overrides:
toString in class RemoteObject